रजिस्टर्ड सं. डी--(डी एन)--128/91 REGISTERED NO. D.—(D.N.) 128/91

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 2nd March, 1991

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Lower Parel (West),
Bombay-400 013.

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Telegraphic address "PATOFFICE".

Patent Office Branch,
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New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

Patent Office Branch,
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Telegraphic address "PATENTOFIS".

Patent Office (Head Office),
"NIZAM PALACE", 2nd M.S.O. Bldg.,
5th, 6th and 7th Floor,
234/4, Acharya Jagdish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 2 मार्च 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं। उनके प्रादेशिक क्षेत्राधिकार नीचे के अनुसार निम्न रूप में प्रदर्शित है :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
हकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, वालाजाह रोड,
मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

THE PATENT OFFICE

Calcutta, the 2nd March, 1991

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The date shown in the crescent brackets are the dates claimed under Section 135 of the Patents Act, 1970

23rd January, 1991

69/Cal/91 Sri Taraknath Pan. Modification of daniel cell.

70/Cal/91 E.I.Du Pont De Nemours & Company. Apparatus with improved flow-through characteristics for the recovery of silver-containing waste fluids.

71/Cal/91 E.I.Du Pont Nemours & Company. Method for laser cutting metal plates.

72/Cal/91 Hoechst Aktiengesellschaft. Preparation of anhydrous resorcinol-formaldehyde condensation products of low average molecular weight.

24th January, 1991

73/Cal/91 Tubemakers of Australia Limited. Inline galvanizing process.
(Convention dated January 25, 1990; No. PJ8352; AUSTRALIA).

74/Cal/91 Chang Tsai. Heat-insulation and water-proofing brick bond.

75/Cal/91 The Ensign-Bickford Company. Delay train ignition buffer.

76/Cal/91 (1) Olgerd Ivanovich Babich, (2) Nikolai Nikolaevich Demchenko, (3) Nikolai Fedorovich Osaulenko, (4) Vladislav Vladimirovich Shutovsky, (5) Tatyana Alexeevna Zubakina. Cathode and heater assembly for electron-beam devices.

77/Cal/91 (1) Nikolai Fedorovich Osaulenko, (2) Olgerd Ivanovich Babich, (3) Nikolai Nikolaevich Demchenko. Cathode/heater assembly for electron beam device.

25th January, 1991

78/Cal/91 American Telephone & Telegraph Co. An apparatus for causing a preform rod to have a substantially straight longitudinal axis and to have a transverse cross-section along its length.
[Divisional dated 6th November, 1987]

79/Cal/91 B.V. Optische Industrie "De Oude Delft". Slit radiography apparatus.

28th January, 1991

80/Cal/91 E.I.Du Pont De Nemours and Company. Animal repellent lldpe.

81/Cal/91 Siemens Aktiengesellschaft. Method and arrangement for connecting a semiconductor to a substrate or for after treatment of a semiconductor-to-substrate connection with contact-free pressing.

82/Cal/91 American Cyanamid Company. 1—[O—(Cyclopropylcarbonyl) Phenyl] Sulfamoyl—3—(4, 6—Dimethoxy—2—Pyrimidinul) Urea and method for the preparation thereof.

83/Cal/91 Custom Equipment Corporation. Reaction furnace.

84/Cal/91 EVT Energie-Und Verfahrenstechnik GmbH. Rotary Grinder.

85/Cal/91 Lenzing Aktiengesellschaft. A method for the chlorine-free bleaching of dissolving pulps.

29th January, 1991

86/Cal/91 Sri Ashok Kumar Samanta & Sri Sadhan Das. A machine for generating mechanical/electrical power by continuous magnetic repulsion.

87/Cal/91 Siemens Aktiengesellschaft. Electronic withdrawable part for inserting into the frame of a switchgear cubicle.

88/Cal/91 Mcneil-PPc, Inc. Improved coated medicaments and apparatus and methods for making same.

89/Cal/91 Johnson & Johnson. Wound dressing with activated carbon.
(Convention dated 6th October, 1987; No. 8723447; U.K.)

90/Cal/91 Samsung Electron Devices Co. Ltd. Shadow mask frame assembling apparatus for cathode ray tube.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005

24th December, 1990

1307/Del/90 Dewankraft Systems Pvt Ltd., "A bioreactor for biological conversion of waste into compost".

1308/Del/90 Munishwar Kumar, "Rail conveyor system".

1309/Del/90 Exxon Chemical Patents, Inc, "Supported ionic metallocene catalysts for olefin polymerization".

1310/Del/90 Atochem, "Thermoplastic compositions with improved fire performance containing alkenyl aromatic polymers".

1311/Del/90 Agglo Recovery, "Process and apparatus for removal of impurities from flue gases". (Convention date 22nd December, 1989) (U.K.).

1312/Del/90 Motorola Inc, "Three-dimensional microwave circuit carrier and integral waveguide coupler".

26th December, 1990

1313/Del/90 Whirlpool Corporation, "Motor diagnostics & electronic control for clothes dryer".

1314/Del/90 Whirlpool Corporation, "Heater diagnostics & electronic control for dryer".

1315/Del/90 Whirlpool Corporation, "Fluid recirculation system for an automatic washer".

1316/Del/90 Asarco Incorporated, "Process and apparatus for producing molded shapes".

1317/Del/90 The Procter & Gamble Co, "Separable fastening device, method of making the same, and method of releasably fastening articles".

1318/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of aryl substituted aryl/alkyl or substituted alkyl esters of N—alkyl/aryl carbamic acid".

1319/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of alkyl ester of N—methyl carbamothioic acids".

1320/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of alkyl/aryl ester of N—alkyl/N—aryl thiocarbamic acid".

1321/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of linear alkyl benzenes".

1322/Del/90 Council of Scientific & Industrial Research, "An improved process for the immobilization of glucose isomerase".

1323/Del/90 Council of Scientific & Industrial Research, "An improved process for the production of magnesium alloys".

1324/Del/90 Council of Scientific & Industrial Research, "A device useful for drilling and tapping an object in a single operation".

1325/Del/90 Council of Scientific & Industrial Research, "An improved method of sandwich enzyme immunoassay of haptens (small molecules)".

1326/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a novel N, N'—bis 2 (testosterone—3—iminoxy) acetyl derivatives of aliphatic diamines".

1327/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a novel N—17β ol androsten—4—(3 thiapropionyl) N'—2 (testosterone —3—iminoxy) acetyl derivatives of aliphatic diamines".

1328/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of enzyme immunoassay of testosterone in serum".

1329/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a novel N, N' bis 17β ol androsten—4—(3—thiapropionyi) derivatives of aliphatic diamines".

1330/Del/90 R.V. Engineers & Fabricators, "Homogeniser device".

1331/Del/90 R.V. Engineers & Fabricators, "Washer-cum-mixer machine for road making".

1332/Del/90 Inderpreet Singh Sangha, "Auto vehicles shades".

1333/Del/90 Sommer, "Process and device for manufacturing textile products from fibres and/or filaments and products obtained".

1334/Del/90 UTDC INC, "Controller for in-track lim primary".

1335/Del/90 Union Carbide Industrial Gases Technology Corporation, "Process for dehydration of gases and composite permeable membranes therefor".

1336/Del/90 Alcan International Ltd, "Electrochemical cathode and materials therefor".

27th December, 1990

1337/Del/90 Sumico Management Planning Co., Ltd., "Silver-metal oxide composite material and process for producing the same".

1338/Del/90 Domino Printing Sciences PLC, "Printhead for continuous ink jet printer—". (Convention date 24th January, 1990) (U.K.).

1339/Del/90 The Lubrizol Corporation, "A process for preparing a phosphorus and/or nitrogen-containing derivative of sulfur-containing compounds". [Divisional date 19th August, 1987].

1340/Del/90 Steel Authority of India Ltd, "Hybrid turbulent burners using gas of moderate calorific value for sinter plants".

28th December, 1990

1341/Del/90 Suhash Chandra Dutta Roy & Others, "An air digital filter".

1342/Del/90 J.K. Gupta & Other, "A process for biobleaching of eucalyptus kraft pulps".

31st December, 1990

1343/Del/90 Anurag Gupta & Vedratna, "Modular fibre-glass observatory with approximately equilateral triangular rib-structure for astronomical observation work".

1344/Del/90 Siemens-Albis Aktiengesellschaft, "Correcting errors in crossfeed radar systems".

1345/Del/90 E.R. Squibb & Sons, Inc., "The diastereoselective preparation of phosphinate esters".

1346/Del/90 Exxon Chemical Patents Inc, "Chemical composition and their use as fuel additives". [Divisional date 22nd December, 1987]. Convention date 22nd December, 1986 (U.K.).

1st January, 1991

1/Del/91 Ram Chander Shukla, "A pharmaceutical composition for use in the treatment of vitiligo or like skin diseases".

2/Del/91 National Research Development Corporation, "A molluscicides". [Divisional date 11th August, 1988]. Convention date 11th August, 1987 (U.K.).

3rd January, 1991

3/Del/91 ACB, " A stretch-forming machine".

4/Del/91 Warner-Lambert Co, "Razor cap with a lubricating aid strip and method for manufacturing the same". [Divisional date 17th December, 1987).

4th January, 1991

5/Del/91 Bhanvra Ram, "Animal power operated water pump for drawing water from shallow and deep wells".

6/Del/91 Lone Star Industries, Inc, "Blended hydraulic cement composition curable at low temperatures". [Divisional date 5th January, 1988].

7/Del/91 The Lubrizol Corporation, "A method for the preparation of dioxolanes and thio analogs, derivatives thereof". [Divisional date 27th November, 1987].

7th January, 1991

8/Del/91 Domine Printing Sciences PLC, "Continuous ink jet printer". (Convention date 24th January, 1990) (U.K.).

9/Del/90 Shell Internationale Research Maatschappij B.V., "Process for shortstopping an emulsion polymerization". (Convention date 9th January, 1990) (U.K.).

8th January, 1991

10/Del/91 Basf Lacke+Farben Aktiengesellschaft., "Coating compound, process for its production as well as use thereof".

11/Del/91 Domine Printing Sciences PLC, "Waste treatment". (Convention date 9th January, 1990) (U.K.).

12/Del/91 Rohm & Haas Co., "Emulsion polymers for high performance aqueous coatings".

10th January, 1991

13/Del/91 Kailash Narayan Vakil, "Improved in and relating to packing and loading apparatus in Cement and the like manufacture".

14/Del/91 National Research Development Corporation, "A catalyst system".

15/Del/91 National Research Development Corporation, "A catalytic converter".

16/Del/91 Purolator India Ltd, "A cover assembly for use with a filter insert".

11th January, 1991

17/Del/91 N.V. Bekaert S.A., "A steel wire for the reinforcement of elastomers". (Convention date 19th January, 1990 (U.K.).

18/Del/91 Abdel-Elah said malhas, "Multi-use envelope".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

7th January, 1991

9/Mas/91 R. CHANDRAMOULIWARAN, SIX-IN-ONE ELECTRONIC EMERGENCY LAMP, NIGHT LAMP, TORCH LIGHT, LIGHT, CYCLE LAMP, BATTERY CHARGER & POWER PACK OF 4 NOS. BATTERY CELLS.

10/Mas/91 Kilakuthi Ramanathan Balachandran. A tap for dispensing liquids.

11/Mas/91 Enimont Anic S.r.l. Improved process for producing vanadium-arenes.

8th January, 1991

12/Mas/91 Ribbon Technology Corporation. Apparatus for flow control of molten materials by force detection.

9th January, 1991

13/Mas/91 Ramamoorthy Srinivasan. A slam type door interlocking system

14/Mas/91 Robert Rosch GmbH. Powered hand tool having a radial-flow fan.

10th January, 1991

15/Mas/91 Keuro Maschinenabu GmbH & Co. KG. Vertical Band saw.

11th January, 1991

16/Mas/91 Itex Enterprises, Inc.. Apparatus and method for mixing solid or semi-solid wastes with additives.

17/Mas/91 Postaire Erie; Sarbach Christian; Delvordre Pascal. Improvement made to the developing step in thin layer chromatography, developing device and apparatus containing the said device.

15th January, 1991

18/Mas/91 Lakshminaickenpalayam Govindaswamynaidu Varadarajulu. Improvements in or relating to wet/dry grinder.

19/Mas/91 The Torrington Research Company. Improved axial flow impeller.

20/Mas/91 Ateca RDM. Hollow spherules of synthetic materials, method for manufacture and application of the spherules.

17th January, 1991

21/Mas/91 Damodaran Chandramohan. Improved flushing device for toilets and the like.

22/Mas/91 Damodaran Chandramohan. An improved toilet system.

23/Mas/91 Union Oil Company of California. Well casing flotation device and method.

24/Mas/91 Union Oil Company of California. Plant growth regulation.

25/Mas/91 Ireco Incorporated. Precision delay detonator.

26/Mas/91 Pesto KG. A connecting device for fluid power lines and the like.

27/Mas/91 Metrocast. A wide area paging system. (Divisional to Patent Application No. 270/MAS/87).

18th January, 1991

28/Mas/91 V.V. Thanga Thirupathy. Falling water weight aided lifting device.

29/Mas/91 Palani Suriyanarayanan. Clinical Incinerator.

30/Mas/91 Charbonnages De France (Etablissement public). A method of slaking quicklime contained in fly ash.

31/Mas/91 Linde Aktiengesellschaft. Process for simultaneous production of methanol and carbon monoxide from a mixture of light hydrocarbons. (Divisional to Patent Application No. 297/MAS/87).

ALTERATION UNDER SECTION 16

168258 (154/Cal/1989) : Ante-dated June 26, 1986.

168259 (129/Cal/1989) : Ante-dated January 19, 1987.

168286 (315/Bom/1986) : Ante-dated May 21, 1986.

OPPOSITION PROCEEDINGS UNDER SECTION 25

(1)

An Opposition has been entered by Jimmy Sorab Canteenwalla and Sunbird Seals & Plastics Private Limited, Bombay to the grant of a Patent on Patent Application No. 166978 (345/BOM/1987) made by Mr. Ranjeet Singh Jaswal, Bombay.

(2)

An Opposition entered by M/s. Remsons Industries Limited, Bombay to the grant of patent on application No. 164520 made by Shri Krishnakumar Rameshwar Trivedi, Nagpur as notified in the Part III, Section 2 of the Gazette of India dated 21st October, 1989 has been dismissed and it is entered that the application shall proceed to sealing in the precribed manner.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by International Control Automation Finance S.A. under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 166429 in their name has been allowed.

(2)

The claim made by International Control Automation Finance S.A. under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 165982 in their name has been allowed.

PATENTS SEALED

161800 165983 166511 166512 166514 166517 166518 166522 166523 166524 166527 166528 166530 166531 166532 166533 166547 166548 166622 166635 166637 166640 166643 166644 166647 166648 166649 166659 166671 166672 166673 166674 166675 166676 166677 166697 166699 166700

CAL — 11

MAS — 21

DEL — 6

BOM — NIL

REGISTRATION OF ASSIGNMENTS LICENCES, ETC. (PATENTS)

Assignments, Licences or other transactions affecting the interest of the original patentees have been registered in the following cases.

The number of each case is followed by the name of the parties claiming interest :—

162134—1. ARUMBULIYUR CUMANDUR DESIKACHARI

162431—2. HARIPRASAD PRASANNA

162831—3. FIXIT PRIVATE LIMITED

RENEWAL FEES PAID

145230 146363 146679 147035 148043 148118 148164 148315 148321 148460 148468 148669 148670 148672 148773 148808 148818 148880 148933 149225 149256 149332 149410 149579 149613 149740 149935 150163 150182 150238 150508 150769 150965 150999 151030 151083 151274 151852 151887 152017 152147 152447 152542 152704 152713 152729 152777 152856 152996 153001 153005 153119 153127 153129 153299 153538 153615 154057 154058 154202 154312 154318 154410 154426 154542 154549 154552 154556 154686 154687 154724 154725 154727 154758 155054 155159 155164 155412 155422 155794 155922 156067 156163 156218 156439 156509 156518 156610 156770 156789 156878 156887 156980 156984 156910 157061 157087 157088 157169 157249 157265 157375 157441 157484 157551 157585 157590 157663 157681 158119 158246 158439 158459 158481 158518 158522 158530 158552 158571 158602 158607 158805 158880 159110 159150 159176 159261 159262 159386 159417 159465 159466 159595 159632 159792 159793 159829 159843 159863 159874 159876 159911 159941 159964 160046 160050 160051 160052 160080 160238 160291 160355 160666 160764 161138 161179 161210 161220 161230 161329 161456 161499 161513 161593 161662 161721 161901 161950 162141 162252 162256 162259 162264 162439 162547 162646 162720 162733 162847 162974 163344 163347 163376 163390 163585 163632 163653 163814 163853 163861 163909 164069 164310 164434 164542 164546 164547 164566 164718 164740 164760 164841 164871 164872 164903 164930 164976 165023 165124 165125 165203 165276 165277 165300 165401 165467 165549 165551 165597 165606 165607 165633 165669 165757 165780 165884 156385 166536

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given beow in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompained by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page is Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2-/ रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु माँग पत्र के साथ निम्नलिखित सूची में यथाप्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 155-D. 168251
Int. Cl. : B 32 b 21/00, 23/00; E04 b 1/62; E 04 c 2/10.

METHOD FOR THE PREPARATION OF LAMINATED MATERIAL AND LAMINATED MATERIAL OBTAINED THEREBY.

Applicant : KOYO SANGYO CO. LTD; OF 9-9, KAJICHO 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) SHIN SHIMIZU, (2) TSUGANE TANAKA, (3) OSAMU OHARA, (4) TAISEI INOUE.

Application No. 763/Cal/1987, filed on 25th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A method for the preparation of a laminated material comprising the steps of cutting open a lognocellulosic stalk in the fiber direction; flattening said lignocellulosic stalk by means of a roller press at pressures of from 0.5 to 10 kg/cm to form a compressed stalk, one face of which consists of its epidermis; arranging a plurality of said compressed stalks in parallel with each other to form a sheet; coating said sheet with a resin adhesive such as isocyanate adhesive, thermosetting adhesives, cold setting adhesives and/or water emulsion adhesives; stacking a plurality of said sheets coated with said adhesive; and then bonding with temperatures of from ordinary temperature to 180°C and pressures of from 5 to 30 kg/cm^2.

Compl. Specn. 20 Pages. Drgs. 3 Sheets.

CLASS : 129-J; M. 168252
Int. Cl. : B 21 b 28/02; B 23 p 6/00. B 23 k 5/18.

METHOD FOR RESTORING WORN OUT SURFACES OF STEEL PARTS.

Applicants : (1) URALSKY POLITEKHNICHESKY INSTITUT IMENI S.M. KIROVA, OF SVERDLOVSK, ULITSA MIRA, 19, U.S.S.R., (2) NIZHNETAGILSKY METALLURGICHESKY KOMBINAI IMENI V.I. LENINA, OF SVERDLOVSKAYA OBLAST, NIZHNY TAGIL, U.S.S.R.

Inventors : (1) IGOR ALEXANDROVICH TOLSTOV, (2) VLADIMIR ILIICH ZHURAVLEV, (3) ANATOLY ALEXANDROVICH KIRICHKOV, (4) MIKHAIL IOSIFOVICH ARSHANSKY, (5) RENGOLD IVANOVICH SILIN, (6) VLADIMIR NIKIFOROVICH DAVYDOV.

Application No. 672/Cal/1987, filed on 27th August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A method for restoring worn out surfaces of steel parts such as herein described comprising : preheating of the part to a temperature above the temperature M_s of the base steel of the part, the minimum preheating temperature being 300°C; weld depositing steel in a shielding atmosphere, the temperature M_s of which steel being less than the preheating temperature of the base steel on the surface being restored, with the result that a deposited bead is formed; said weld deposition of steel is carried out at a rate which provides for heating of each of at least three previously deposited beads to a temperature above the temperature A_1 but below the temperature T_{sol} of the base steel of the part; thus forming of a layer comprising at least three successively deposited on the base steel; cooling of the said layer in air down to the temperature of the preheated base part.

Compl. Specn. 18 Pages. Drg. Nil.

CLASS : 40-B. 168253
Int. Cl. : C 08 f 4/64.

A PROCESS FOR PREPARING CATALYST COMPONENTS SUITABLE FOR THE (CO) POLYMERIZATION OF ALPHA-OLEFINS.

Applicant : HIMONT INCORPORATED, OF DELAWARE 1313 NORTH MARKET STREET, WILMINGTON, UNITED STATES OF AMERICA.

Inventors : (1) PIER CAMILLO BARBE, (2) ENRICO ALBIZZATI, (3) UMBERTO GIANNINI, (4) GIOVANNI BARUZZI, (5) LUCIANO NORISTI.

Application No. 876/Cal/1987, filed on 9th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A process for preparing catalyst components suitable for the copolymerization of alpha-olefins to steroregular polymers having a narrow molecular weight distribution as herein described which comprises reacting a solid containing a Ti-compound having at least a Ti-halogen bond, and optionally an electron donor compound, supported on an anhydrous Mg-halide in active form as herein described with a compound (AH) containing at least an active hydrogen atom, used in amounts corresponding to molar ratios Mg/moles of compound AH comprised between 2 and 30, in a liquid medium, not reactive towards the solid component, having a dielectric constant, measured at 20°C, higher than 2.

Compl. Specn. 16 Pages. Drg. Nil.

CLASS : 13-A; 40-F. 168254
Int. Cl. : B 29 c 35/00; B 31 d 3/00.

PROCESS AND APPARATUS FOR PRODUCING DIMENSIONALLY STABLE SEMIFINISHED PACKAGE FROM FIBRE-REINFORCED THERMOPLASTIC MATERIAL.

Applicant : MENZOLIT GMBH, POSTFACH 1240, BAHNHOFSTRABE 31, 7527 KRAICHTAL-MENZINGEN, WEST GERMANY.

Inventors : (1) GERD EHNERT, (2) ROLF VON PAUMGARTTEN, (3) MANFRED EHLERS.

Application No. 85/Cal/1988, filed on 1st February, 1988.

20 Claims

A process for producing dimensionally stable semi-finished packages from fibre-reinforced thermoplastic material, characterized in that a pourable material comprising a binder containing known fibres and known thermoplastic material is heated in a thin covering area to a temperature being above the melting point of the thermoplastic material but not more than 100°C above the melting point of the thermoplastic material and then cooled so as to form a thin covering with a core of said material disposed therein to obtain the semi-finished packages.

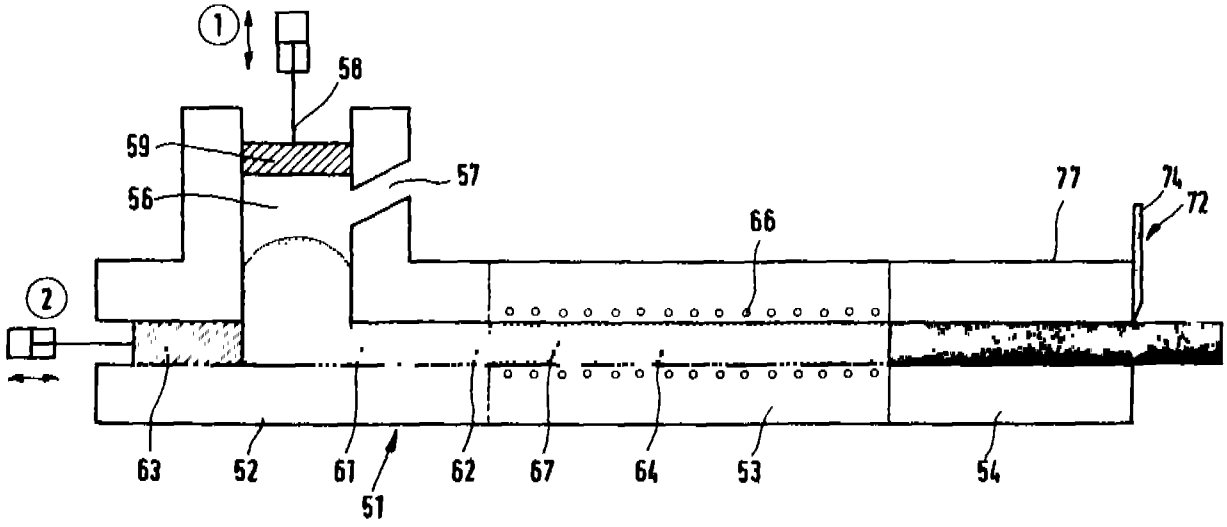


Fig. 1

Compl. Specn. 13 Pages. Drgs. 2 Sheets.

CLASS : 32-F1, F2(a), F2(b); 55-D2. 168255
Int. Cl. : A 01 n 57/00, 57/02, 57/10, 57/26; C 07 f 9/36.

A PROCESS FOR PREPARING PHOSPHONAMIDOTHIONATE DERIVATIVES.

Applicant : ASAHI KASEI KOGYO KABUSHIKI KAISHA, 2-6, DOJIMAHAMA 1-CHOME, KITA-KU, OSAKA-SHI, OSAKA, JAPAN.

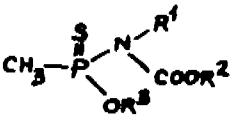
Inventors : (1) HIROMICHI YOSHIKAWA, (2) TERUYKI MISUMI.

Application No. 134/Cal/1988, filed on 15th February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

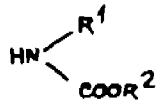
A process for preparing a phosphonamidothionate derivative represented by the formula (I) of the accompanying drawings



Formula (I)

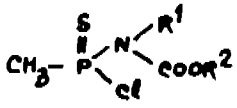
Wherein R^1 and R^2 each independently represent a straight-chain alkyl group having 1 to 4 carbon atoms or a branched alkyl group

having 3 or 4 carbon atoms and R^3 represents a phenyl group unsubstituted or substituted with a chlorine atom, a methyl group, a nitro group, a methylthio group or a nitrile group, an alkyl group having 21 to 4 carbon atoms or a 5-methyl-2-isoxazolyl group, which comprises the steps of (1) reacting a carbamic acid ester derivative represented by the formula (II) of the drawings,



Formula (II)

wherein R^1 and R^2 are as defined above with methylphosphonothioic dichloride in dioxane in the presence of an amine such as triethylamine and tributylamine to thereby obtain a methylphosphonothioyl chloride derivative represented by the formula (III) of the drawings,



Formula (III)

wherein R^1 and R^2 are as defined above, and (2) subsquently reacting the said methylphosphonothioyl chloride derivative of said formula (III) of the drawings,

with a compound represented by the formula (IV) of the drawings,

Formula (IV)

wherein R^3 is as defined above in tetrahydrofuran in the presence of an amine such as triethylamine and tributylamine.

Compl. Specn. 36 Pages. Drgs. 7 Sheets.

CLASS : 128-A. 168256
Int. Cl. : A 61 f 13/00.

A MULTILAYER ABSORBENT ADHESIVE DRESSING.

Applicant : JOHNSON & JOHNSON PATIENT CARE, INC., OF ONE JOHNSON & JOHNSON PLAZA, NEW BRUNS WICK, NEW JERSEY 08933, UNITED STATES OF AMERICA.

Inventors : (1) LAURA LEE BOLTON, (2) TERESA HUANG HADDOCK, (3) BARRY EVERETT CONSTANTINE.

Application No. 451/Cal/1988, filed on 2nd June, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

An absorbent adhesive dressing comprising : three layers viz (1) an occlusive film as the outer layer as herein described (2) an absorbent layer of fibers as the middle layer as herein described and (3) a wet-stick adhesive as the inner wound facing adhesive layer as herein described wherein said adhesive layer is continuous, substantially non-porous layer having a porosity of less than 0.5 cc/sec/in^2 which is made from acrylic polymer having both hydrophilic and hydrophobic characteristics, and which because of the hydrophilic nature of the polymer allows exudate to pass through the adhesive layer to the absorbent fibers of its middle layer without degrading the adhesive or its performance.

Compl. Specn. 21 Pages. Drg. Nil.

CLASS : 55-E4. 168257
Int. Cl. : A 61 k 31/00, 31/33, 31/41, 31/47

A PROCESS FOR THE PRODUCTION OF A PHARMACEUTICAL COMPOSITION FOR THE TREATMENT OF AMAEBISIS.

Applicant : YEDA RESEARCH AND DEVELOPMENT COMPANY LIMITED, OF P.O. BOX 95, REHOVOT 76100, ISRAEL.

Inventors : (1) DAVID MIRELMAN, (2) MEIR WILCHEK.

Application No. 721/Cal/1988, filed on 30th August, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

8 Claims

A process for the production of a pharmaceutical composition which is ingestible by protozoa, for the treatment of amaebiasis which comprises bonding an antiprotozoal drug, optionally after conjugating the drug to a peptide or collagen link, by chemical methods such as herein described, e.g. via a conventional substituent selected from hydroxy, aldehyde or amino group, to micro sized physiologically acceptable carrier particles selected from inert minerals such as silica, aluminium silicates. kaolin or latex beads; said conjugation being effected by conventional means.

Compl. Specn. 11 Pages. Drgs. 6 Sheets.

CLASS : 40-H. 168258
Int. Cl. : C 01 b 3/00.

A PROCESS FOR THE CONVECTIVE REFORMATION OF A FEED MIXTURE OF HYDROCARBONS AND STEAM INTO A HYDROGEN RICH GAS.

Applicant : STONE & WEBSTER ENGINEERING CORPORATION, 245 SUMMER STREET, BOSTON, MASSACHUSETTS 02107, U.S.A.

Inventors : (1) MAXIM KARAFIAN, (2) IRVING C. TSAND.

Application No. 154/Cal/1989, filed on 23rd February, 1989.

[Divisional of Application No. 485/Cal/86, Ante-dated to June 26, 1986].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A process for the convective reformation of a mixture of hydrocarbons and steam into a hydrogen-rich gas,comprising the steps of :

(a) [illegible] substantially all of a feed mixture of hydrocarbon and steam to a first reformation zone which comprises conventive reformation means as claimed in parent patent application No. 485/Cal/86 (165003) from which this application has been divided;

(b) partially reforming the feed mixture in the first reformation zone at a temperature of about 1150°F to about 1250°F to reform from about 15% to about 25% of the hydrocarbon in the feed mixture;

(c) delivering the particularly reformed effluent from the first reformation zone to one or more additional reformation zones;

completely reforming the partially reformed effluent into a hydrogen-rich gas in the additional reformation zones;

(e) directing at least a portion of the hydrogen-rich gas from step (d) back to the first reformation zone of step (a);

(f) effecting heat-exchange between the hydrogen-rich gas from step (e) and the feed mixture of hydrocarbons and steam in the first reformation zone, the hydrogen-rich gas being initially at a higher temperature than the feed mixture, such that the heat of reaction from the partial reformation is thus supplied from this exchange; and

(g) passing at least a portion of the heat-exchanged hydrogen-rich gas from step (f) to one or more additional heat-exchange zones located upstream of the first reformation zone of (a) for use as a heating fluid therein.

Compl. Specn. 18 Pages. Drgs. 4 Sheets.

CLASS : 194-C1. 168259
Int. Cl. : H 01 j 13/00.

COLOR DISPLAY SYSTEM

Applicant : RCA LICENSING CORPORATION, OF 2 INDEPENDENT WAY, P.O. BOX2023, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

Inventors : (1) STANLEY BLOOM, (2) ERIC FRANCIS HOCKINGS.

Application No. 129/Cal/1989, filed on 14th February, 1989.

[Divisional of Application No. 56/Cal/87, Ante-dated to January 19, 1987].

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A color cathode-ray tube having an electron gun for generating and directing three electron beams along paths toward a screen of said tube, said gun including electrodes comprising a beam-forming region and electrodes for forming a main focusing lens; comprising :

electrodes in said electron gun for forming a multipole lens between the beam-forming region and the main focusing lens in each of the electron beam paths, wherein said electrodes for forming a multipole lens include two electrodes, a first multi-pole lens electrode and a second multipole lens electrode, said second multipole lens electrode being connected to one of said electrodes for forming a main focusing lens, and said first multipole lens electrode being located between the second multipole lens electrode and the beam-forming region and facing the first multipole lens electrode.

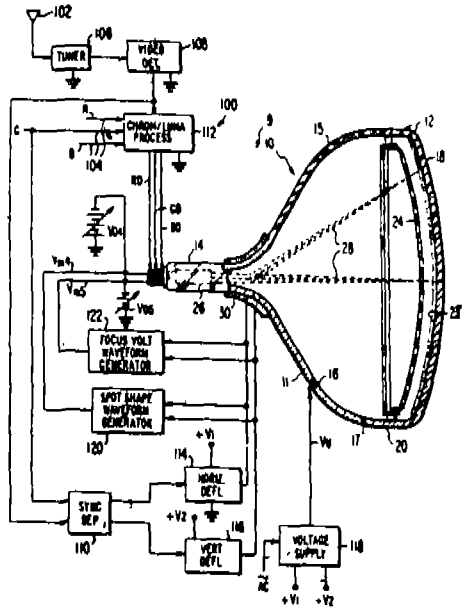


Fig. 1

Compl. Specn. 15 Pages. Drgs. 6 Sheets.

CLASS : 32-C. 168260
Int. Cl. : C 07 h 19/00, 21/00.

AN IMPROVED METHOD FOR PREPARING THE MIXTURE OF RIBONUCLEOTIDES.

Applicant : (1) INSTITUT MORFOLOGII CHELOVEKA AKADEMII MEDITS INSKIKH NAUK SSSR-USSR, MOSCOW, ULITSA TSJURUPV, 3; (2) MEZHOTRASLEVOI NAUCHNO-TEKHNICHESKY KOMPLEX "MIKROKHIRURGIA GLAZA"—USSR, MOSCOW, BESKUDN IKOVSKY BULVAR, 59A; (3) NAUCHNO-PROIZVODSTVENNOE OBIED INENIE "BIOLAR" AKADEMII NAUK SSSR-USSR, OLAINE, NPO "BIOLAR" ALL ARE U.S.S.R.

Inventors : (1) BORIS BORISOVICH FUX, (2) MARINA EVGENIEVNA SHABANOVA, (3) SVYATOSLAV NIKOLAEVICH FEDOROV, (4) JURY MIKHAILOVICH KRASNOPOLSKY, (5) ULDIS YANOVICH MIXTAIS, (6) EVGENY DMITRIEVICH ERMOLAEV, (7) MARA AUGUSTOVNA GAILUMA.

Application No. 245/Cal/1989, filed on 30th March, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

An improved method for preparing the mixture of ribonucleotides which comprises subjecting ribonucleic acid to hydrolysation at a pH of from 4.5 to 5.5 and a temperature comprised between 62 and 65°C whereafter ethanol is added to a hydrolysate up to 15—30 vol.% and the mixture obtained is filtered on membranes with pores sized 50—150°A, the filtered mixture of ribonucleotides is then precipitated with alcohol, the solvent is removed and the dry mixture thus obtained is diluted with sodium chloride solution, further filtered through membranes and sterilized.

Compl. Specn. 16 Pages. Drg. Nil.

CLASS : 127-G. 168261
Int. Cl. : F 16 h 1/38.

DIFFERENTIAL GEAR MECHANISM.

Applicant : KNIGHT-MECHADYNE LIMITED, OF PARK FARM ESTATE, KIRTLINGTON, OXON OX5 3JQ, ENGLAND.

Inventor : DAVID JOHN KNIGHT.

Application No. 616/Cal/1987, filed on 7th August, 1987.

Convention dated 11th August, 1986; No. GB 8619531 and 21st November, 1986; No. GB 8627862; Both are U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

A differential gear mechanism comprising a gear carrier (1A, 1B) mounted for rotation about an output axis of the differential, a pair of spaced coaxial helical output gears (4A, 4B) mounted for rotation in the carrier about the axis thereof, and gear trains mounted in the gear carrier and interconnecting the two output gears, each gear train comprising two worm members (5A-D) and a worm wheel (7A, C; 7B, D) the worm members each having a helically toothed formation meshing with the worm wheel at diametrically opposite positions thereof and each worm member having an extension of the helically toothed formation meshing also with a respective one of the output gears, in that the various factors of the gearing arrangement, including the relative factors thereof, are governed by the following equations :

$$\frac{R_W + \cot \psi}{R_W + R_G} = \sin \alpha \qquad (1)$$

$$\frac{b_{WH}}{b_{OG}} = K_1 \frac{\tan \psi}{\cos \psi} \qquad (2)$$

wherein α is the angle defined between the axis of the worm wheels and the line from the axis of the differential mechanism to the axis of the relevant worm member, K_1 is as defined in Table I herein, b_{WH} and b_{OG} are respectively the lengths of the teeth of worm wheel and output gear respectively, R_W is the ratio of number of teeth (starts) of each worm to the number of teeth of the worm wheel; R_G is the ratio of teeth on each output gear to the number of teeth of the worm wheel; ψ is the helix angle of the worms and output gears, and in that the said angle α is in the range 56° to 68° and K_1 is in the range 0.50 to 0.80 for a differential gear mechanism having two gear trains and in that the angle α is in the range of 35° to 41° and K_1 is in the range of 0.35 to 0.65 for a differential gear mechanism having three gear trains.

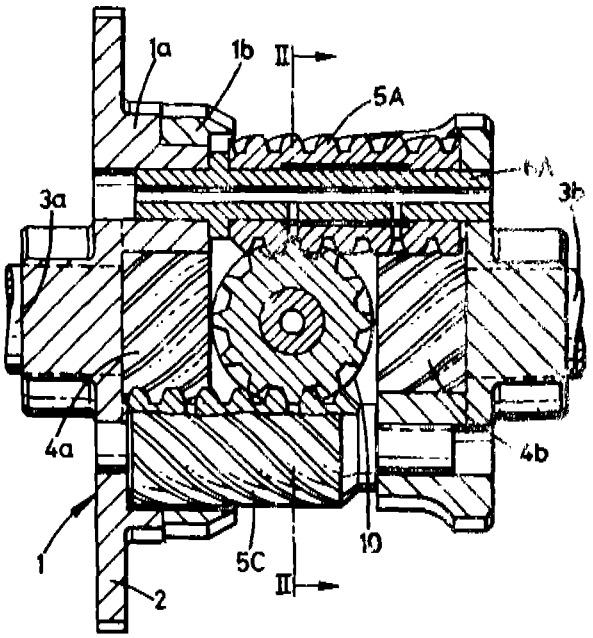


Fig. 1

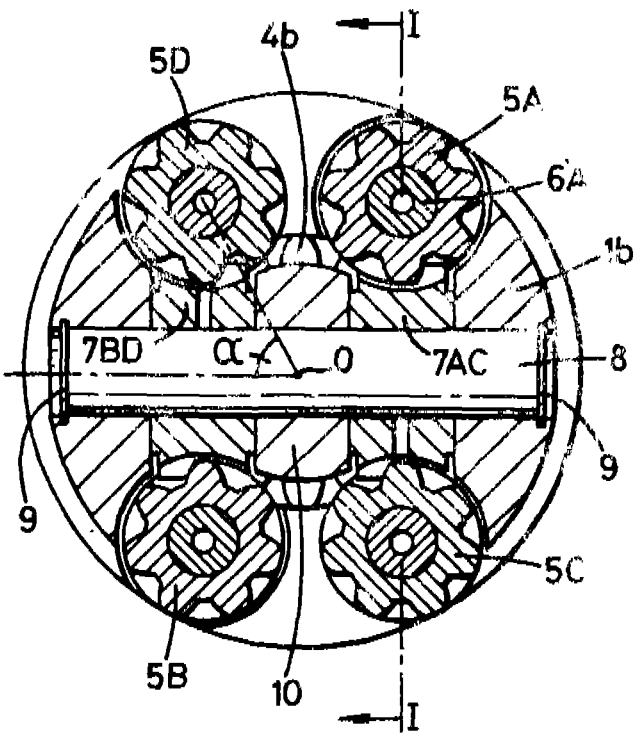


Fig. 2

Compl. Specn. 12 Pages. Dgs 2 Sheets

CLASS : 195-C, D. 168262
Int. Cl. : F 16 k 3/00.

SHUT-OFF VALVE FOR FLUIDS.

Applicant : STANIC, MIODRAG, OF KRAMERSTRASSE D-6450 HANAU, FEDERAL REPUBLIC OF GERMANY.

Inventors : STANIC, MIODRAG.

Application No. 663/Cal/1987, filed on 21st August, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

17 Claims

A shut-off valve (10) for fluids comprising a valve housing (14), a valve piston (18) with valve cone (22) arranged up-stream of an associated valve seat (20), and a piston holder (16) axially movable within the valve housing by means of a spindle (58) and accommodating said valve piston, with the axial motion of said piston holder being converted to a radial motion when said valve piston reaches a stroke limit, characterized in that said piston holder (16) has on its outer wall axial projections (52) which slide axially in associated axial recesses (62) in the inner wall (64) of said valve housing (14) or are movable into respectively adjacent recesses when the stroke limit is reached to achieve a radial motion and vice versa.

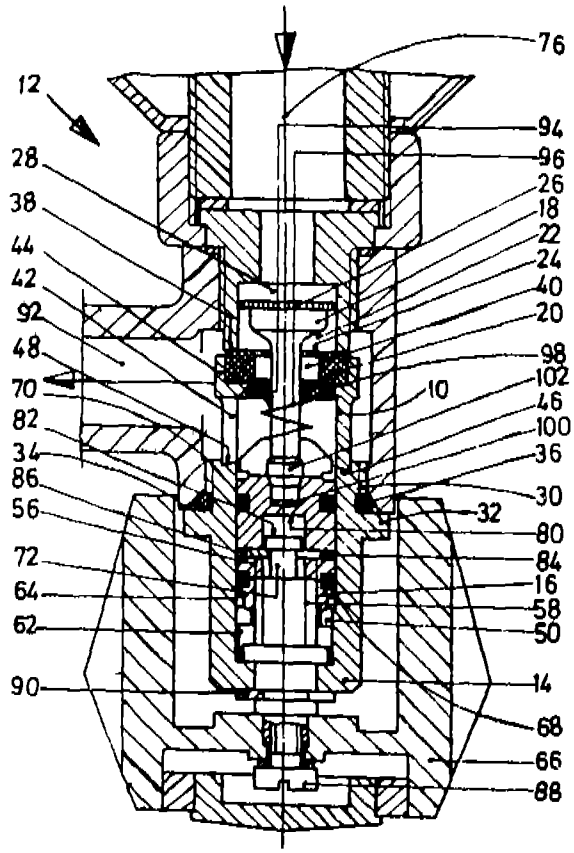


Fig. 1

Compl. Specn. 21 Pages. Drgs. 5 Sheets.

CLASS : 145-B; C. 168263
Int. Cl. : D 21 h 1/12, 1/18.

SMOOTH-MIRROR-LIKE METALLIZED LAMINATE ARTICLE AND METHOD OF MAKING THEREOF.

Applicant : HELMUTH SCHMOOCK, OF BUCHENER WEG 121, 2058 LAUENBURG/ELBE, WEST GERMANY.

Inventor : HELMUTH SCHMOOCK.

Application No. 745/Cal/1987, filed on 18th September, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A method of making a smooth, mirror-like metallized laminate article, comprising the following steps :

(a) selecting a carrier foil of synthetic material such as polyester or polypropylene or polycarbonate having a smooth surface;

(b) applying to a major continuous area of said smooth surface of said carrier foil a film-forming release lacquer liquid having a temperature stability of at least 90°C and present in an amount of from 1.5 to 3 g/m² dry weight to constitute, after drying, a continuous, flexible release lacquer layer having a temperature stability of at least 90°C;

(c) vapor-depositing metal such as aluminium copper, silver or gold or mixtures thereof on said release lacquer to form thereon a bright; continuous metal layer having a thickness of 0.5μ at the most; said release lacquer and said metal layers together forming a mirror-bright metallized laminate having a thickness of 20μ at the most;

(d) applying a wet adhesive of 30% to 50% solids content to the entire face of said metal layer in a quantity of 5-8 g/m²;

(e) pressing a paper sheet to the wet adhesive carried on said metal layer;

(f) heating the product made in steps (a) through (e) to reduce the moisture content thereof, whereby said metal layer is permanently bonded to said paper sheet by said adhesive; and

(g) separating the carrier foil from the entire area of said lacquer layer.

Compl. Specn. 29 Pages. Drgs. 4 Sheets.

CLASS : 204. 168264
Int. Cl. : G 01 g 3/00.

A COMPRESSION TYPE LOAD CELL.

Applicant : FLINTAB AB, OF KOPMANGATAN 1B, S-722 15 VASTERAS, SWEDEN.

Inventor : KJELL HELGE NORDSTROM.

Application No. 905/Cal/1987, filed on 19th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A compression type load cell consisting essentially of a self stabilizing rocker pin with a longitudinal axis, having a top portion with a spherical top surface for receiving a load force to be measured, a center portion symmetrical about said axis and a bottom portion with a spherical bottom surface for supporting said center protion, strain gage means attached to said center protion for sensing the load force applied to said top portion, sealing means for protecting said strain gage means from moisture and other environmental effects, and means for electrically connecting said strain gage means to circulate outside said sealing means.

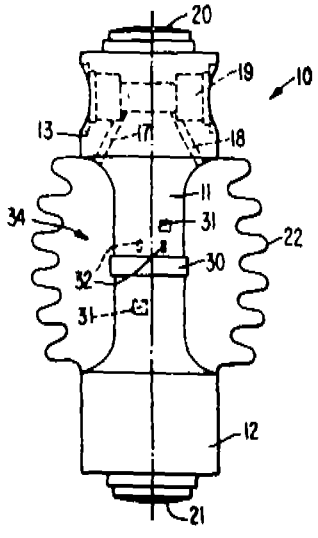


Fig. 1

Compl. Specn. 17 Pages. Drgs. 5 Sheets.

CLASS : 32-A1. 168265
Int. Cl. : C 09 b 37/00, 41/00, 62/53, 62/523.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE MONOAZOPYRAZOLONE COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

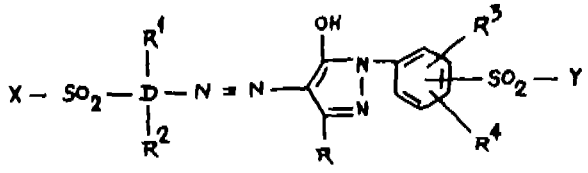
Inventors : (1) LUDWIG SCHLAFER, (2) GUNTHER SCHWAIGER, (3) WERNER HUBERT RUSE.

Application No. 41/Cal/1988, filed on 18th January, 1988.

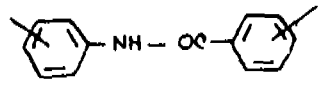
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A process for the preparation of a water-soluble monoazo compound corresponding to a formula (1) of the accompanying drawing.



Formula (1)



Formula (2)

in which the symbols have the following meanings :

D is a benzene ring or a radical of the general formula (2) R^1 is hydrogen, methyl, ethyl, methoxy, ethoxy, chlorine, bromine, carboxy or sulfo.

R^2 is hydrogen, methyl, ethyl, methoxy, ethoxy, chlorine or bromine,

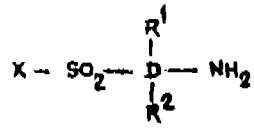
R^3 is hydrogen, methyl, ethyl, methoxy, ethoxy, chlorine, bromine, carboxy or sulfo and

R^4 is hydrogen, methyl, ethyl, methoxy, ethoxy, chlorine or bromine, it being possible for R^1, R^2, R^3 and R^4 to have meanings identical with one another or different from one another;

R is carboxy or carboalkoxy having 2 to 5 carbon atoms;

X is a β -thiosulfatoethyl group or a β -sulfatoethyl group, or X is the vinyl group, and in that case R^1 or R^2 or both have to represent each a sulfo group, and

Y is a β -thiosulfatoethyl group or a β -sulfatoethyl group, or Y is the vinyl group, and in that case R^1 or R^2 or both each represent a sulfo group, and the two groups $-SO_2$ X and $-SO_2$-Y can have meanings identical with or different from one another, which comprises coupling at a pH between 4 and 9 and at the temperature between 0 and 35°C, a diazonium salt of an aromatic amino compound corresponding to the formula (3) shown in the drawings,



Formula (3)

in which D, R^1, R^2 and X have the meanings mentioned above X represents a β–hydroxyethyl group, with a compound corresponding to the formula (4) also shown in the accompanying drawings,

in which R, R^3, R^4 and Y have the meanings mentioned above or Y represents a β -hydroxyethyl group, and, in the event that X or Y or both of them denote a β -hydroxyethyl group, converting the β -hydroxyethyl group(s) in the resulting monazo compound into the β -sulfatoethyl group(s) by means of a sulfating agent.

Compl. Specn. 26 Pages. Drgs. 2 Sheets.

CLASS : 55-E4. 168266
Int. Cl. : A 61 k 39/00, 39/42.

A PROCESS FOR PRODUCING A MONOCLONAL ANTIBODY TO A MONO SPECIFIC ANTIGEN FOUND ON RNA GROUP VIRUS.

Applicant & Inventor : BHAIRAB CHANDRA BHATTACHARYA, OF 297 MOORE STREET, PRINCETON, NEW JERSEY 08540, UNITED STATES OF AMERICA.

Application No. 151/Cal/1988, filed on 22nd February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

3 Claims

A process for producing a monoclonal antibody to a mono-specific antigen found on RNA group viruses which produce the Aquired Immune Deficiency Syndrome (AIDS), the process comprising :

(a) preparing a 'd' amino acid decoy culture medium in a manner such as herein described;

(b) growing yeast cells in the medium of step (a);

(c) culturing HLTV and HIV viruses such as herein described in the solid yeast cells through interference phenomenon;

(d) isolating the envelope of the viruses being the membrane glyco-protein (GP) and a transactive protein (TAT) related to the control of viral replication;

(e) immunizing mice with the isolated virus protein carrying 'd' amino acid in a manner such as herein described;

(f) removing the spleens from the immunized mice and making a spleen suspension in an appropriate phosphate saline buffer in a manner such as herein described;

(g) fusing in a known manner the suspended spleen cells with mouse mycloma cells from a suitable cell line by the use of a suitable fusion promoter such as polyethyl glucol or the like;

(h) diluting and culturing in separate containers the mixture of unfused spleen cells, unfused mycloma cells and fused cells in a selective HAT medium such as herein defined which will allow death of the unfused cells;

(i) evaluating the supernatant in a manner such as herein described in separate containers (well) containing a hybridoma for the presence of antibody to HTLV and HIV virus protein;

(j) selecting and closing hybridoma capable of producing the desired antibodies;

(k) treating the hybridoma in a known manner to provide the monoclonal antibody.

Compl. Specn. 21 Pages. Drg.1 Sheet.

CLASS : 55-E4. 168267
Int. Cl. : A 61 k 39/00, 39/395.

PROCESS FOR PREPARING THE HYBRIDOMA FOR X-Y-SPERM SPECIFIC ANTIBODY.

Applicant & Inventor : BHAIRAB CHANDRA BHATTACHARYA, OF 297 MOORE STREET, PRINCETON, NEW JERSEY 08540, U.S.A.

Application No. 152/Cal/1988, filed on 22nd February, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

A method of preparing X- and Y-sperm specific monoclonal antibody, comprising ;

(a) immunizing male mice with segregated human X-sperm such as herein defined;

(b) immunizing female mice with segregated human Y-sperm such as herein defined;

(c) removing the spleens from the immunized mice and making a spleen suspension in an appropriate phosphate buffered saline medium in a manner such as herein described;

(d) fusing the suspended spleen cells with mouse mycloma cells from a suitable cell line in a known manner by the use of a suitable fusion promoter, such as polyethylene glycol or the like;

(e) diluting and culturing in separate containers the mixture of unfused spleen cells, unfused mycloma cells and fused cells in a selective HAT medium in a manner such as herein described whereby the unfused cells are allowed to die;

(f) evaluating the supernatant in each container containing a hybridoma for the presence of antibody to X- or Y-sperm in a manner such as herein described;

(g) selecting and cloning hybridomas and treating the hybridoma in a known manner to provide the resultant antibody.

Compl. Specn. 17 Pages. Drg. Nil.

CLASS : 131-A2. 168268
Int. Cl. : E 21 b 17/00.

WELL SUSPENSION ASSEMBLY

Applicant : SAMUEL WILLIAM PUTCH, 5727 PORTAL, HOUSTON TEXAS 77096, U.S.A. AND NORMAN ALLEN NELSON, 6902 WAGONWHEEL LANE, HOUSTON, TEXAS 77088, U.S.A.

Inventor : SAMUEL WILLIAM PUTCH.

Application No. 197/Cal/1988, filed on 7th March, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A well suspension assembly for connecting an inner and an outer tubular member to and from each other in a well by longitudinal movement of the inner member comprising :

said inner member having two or more radial outwardly extending load bearing shoulders positioned on the outer surface of the inner member,

an outwardly biased and resiliently expandable and contractible locking support element positioned and axially slidably on the outer surface of the inner member and having inwardly extending load bearing shoulders that mate with each of the corresponding load bearing shoulders on the inner tubular member,

two or more radial outwardly extending load bearing shoulders on said locking support element;

mating load bearing surfaces in circumferential grooves in the outer tubular member for receiving the outwardly extending load bearing shoulders on said locking support element;

release means preventing axial movement of the locking support element on the inner member until after the outwardly extending load bearing shoulders on the locking support element have engaged the mating load bearing surfaces in the circumferential grooves in outer member and a predetermined load has been applied on the release means after which the inner member moves axially downwardly in the expanded locking support element forcing it into an expanded position and into engagement with the load bearing shoulders on both the inner and outer tubular members.

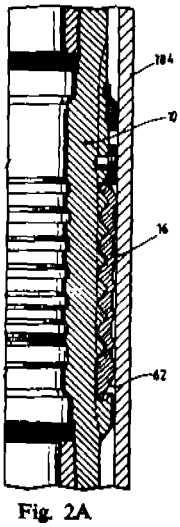


Fig. 2A

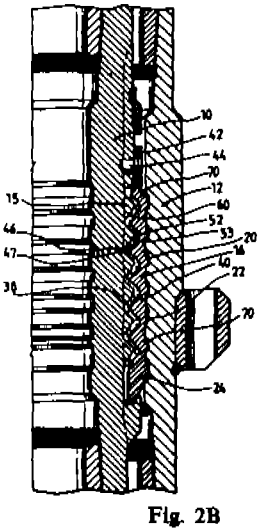


Fig. 2B

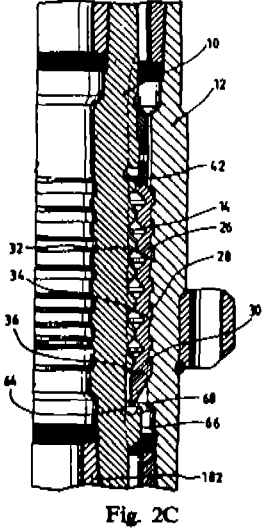


Fig. 2C

Compl. Specn. 17 Pages. Drgs. 5 Sheets.

CLASS : 15-D. 168269
Int. Cl. : F 16 c 33/00.

BEARING PROTECTOR

Applicant : DURAMETALLIC CORPORATION, 2104 FACTORY STREET, KALAMAZOO, MICHIGAN, U.S.A.

Inventors : (1) KENNETH GRAHAN KAKABAKER, (2) DUANE ARTHUR AVARD.

Application No. 198/Cal/1988, filed on 7th March, 1988.

13 Claims

A bearing protector spaced axially from a bearing means and coacting between a rotatable shaft and a surrounding housing for sealingly isolating the bearing means from a region disposed exterior of the bearing protector, said bearing protector comprising :

a one-piece ring-shaped rotor adapted to be sealingly and non-rotatably carried on said shaft in surrounding relationship thereto, and a one-piece ring-shaped stator adapted to be sealingly and non-rotatably mounted on said housing;

said stator being disposed radially in concentric and surrounding relationship to said rotor, said stator and rotor respectively having first and second annular surface means formed thereon and disposed on concentric and closely adjacent relationship to one another so as to define therebetween an elongate annular pathway which extends axially over a significant extent and the inner end of said pathway communicates with a bearing compartment and the outer end of said pathway communicates with the exterior region;

said pathway including an inner passageway which is of very narrow width as defined between opposed portions of said first and second annular surface means for inhibiting flow therethrough said inner passageway having a length which exceeds its width and defining the inner end of said pathway for direct communication with the bearing compartment;

said pathway including an outer passageway which is of extremely narrow width as defined between opposed portions of said first and second annular surface means for inhibiting flow therethrough, said outer passageway having a length which exceeds its width and defining the outer end of said pathway for direct communication with the exterior region;

said pathway including an intermediate passageway which is of very narrow width and is defined between opposed portions of said first and second annular surface means for inhibiting flow therethrough, said intermediate passageway having a length which exceeds its width;

said pathway including means defining a first annular channel of enlarged radial and axial cross sectional dimensions for collecting therein lubricant which tends to escape from said bearing compartment, said first channel being disposed for communication between the inner and intermediate passageways, said first channel being defined by a radially

opposed pair of first channel-like grooves which are formed in said stator and rotor and which project respectively radially outwardly and inwardly from the respective first and second annular surface means so that said first channel is defined between maximum and minimum diameters, said inner and intermediate passageways respectively communicating with axially opposite sides of said first channel at positions which are spaced radially from and between the maximum and minimum diameters of said first channel;

said stator having first drain opening means formed therein adjacent a lower side thereof for providing communication between said bearing compartment and a radially outermost portion of the first channel-like groove as defined in said stator;

said pathway including means defining a second annular channel of enlarged radial and axial cross-sectional dimensions for collecting therein contaminants which flow into the pathway from the exterior region, said second channel being disposed for communication between the outer and intermediate passageways, said second channel also being positioned axially outwardly from said first channel and separated therefrom by said intermediate passageway, said second channel being defined by a radially opposed pair of second channel-like grooves which are formed in said stator and rotor and which project respectively radially outwardly and inwardly from the respective first and second annular surface means so that said second channel is defined between maximum and minimum diameters, said outer and intermediate passageways respectively communicating with axially opposite sides of said second channel at positions which are spaced radially from and between the maximum and minimum diameters of said second channel; and

said stator having second drain opening means formed in a lower portion thereof for providing communication between a radially outer portion of the second channel-like groove as defined in said stator and said exterior region.

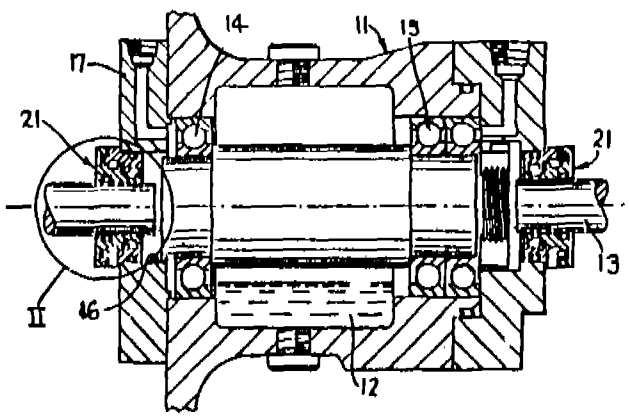


Fig. 1

Compl. Specn. 21 Pages. Drgs. 2 Sheets.

CLASS : 181. 168270
Int. Cl. : F 16 15/40.

A SHAFT SEAL.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2, WEST GERMANY.

Inventor : ALEXANDER LONGREE.

Application No. 312/Cal/1988, filed on 19th April, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

18 Claims

A shaft seal comprising a sealing ring that in use surrounds the shaft without turning therewith, that in use floats on an oil film and that on its inside has one or more sealing oil outlet grooves, wherein ;

(a) the sealing ring is accessible from the outside and is supported by its flanks leaving gaps wherein pressurized-oil can act, between a guide plate on the pressure side and a relief flange;

(b) the guide plate has channel(s) and/or groove(s) via which in use sealing oil can be supplied to the sealing ring; and

(c) the relief flange is secured by means of bolts to the guide plate, some or all of the bolts passing with clearance through respective holes in the sealing ring.

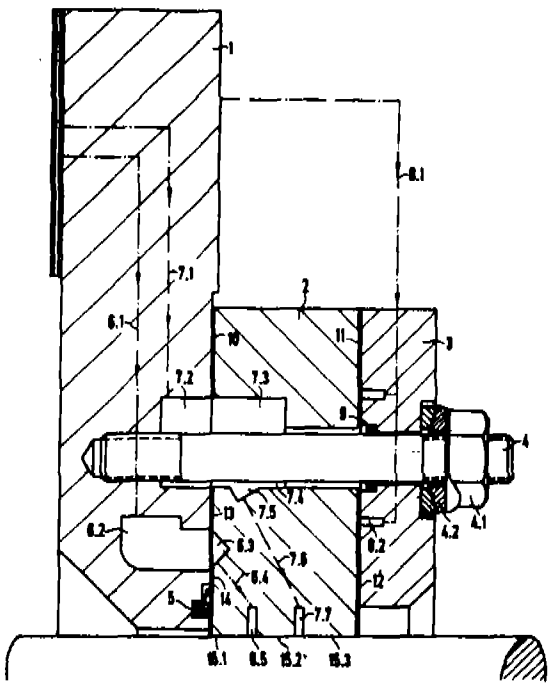


Fig. 1

Compl. Specn. 15 Pages. Drgs. 3 Sheets.

CLASS : 69-I. 168271
Int. Cl. : H 03 k 17/28.

IMPROVEMENTS IN OR RELATING TO IMPROVED DELAY CIRCUIT FOR INVERTOR SWITCHES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING., GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventor: CHARLES WOOD EDWARDS.

Application No. 754/Cal/1986 filed on 16th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

12 Claims

A delay circuit interposed between an input pulse signal and an output pulse signal, the latter being a delayed representation of said input pulse signal;

the delay circuit comprising :

at least one first voltage source having an extreme voltage level and a second voltage source having an intermediate voltage level;

integrating means having an initial voltage level; said intermediate voltage level lying between said extreme voltage level and said initial voltage level;

switch means responsive to said input pulse signal for initially coupling said integrating means with said first source via a resistor to change said initial voltage level of said integrating means as a function of time toward said extreme voltage level;

comparator means having a threshold substantially equal to said intermediate voltage level; said comparator means being operative at said threshold level to control said switch means for coupling of said integrating means to said second voltage source via another resistor thereby to hold said integrating means to said second voltage source via another resistor thereby to hold said integrating means to said intermediate voltage level;

said comparator means outputting said output pulse signal concurrently with said comparator means threshold control operation.

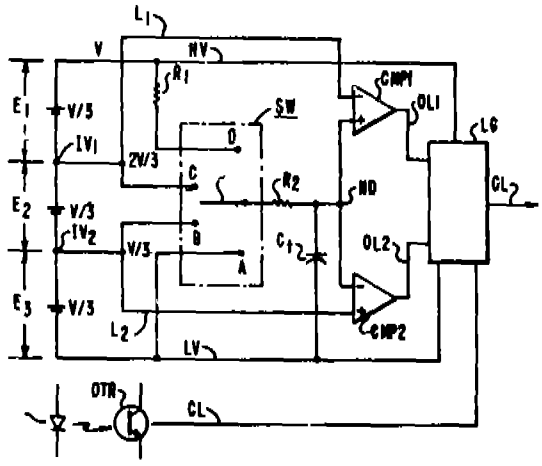


Fig. 5

Compl. Specn. 15 Pages. Drgs. 7 Sheets.

CLASS : 160-C. 168272
Int. Cl. : B 60 j 1/00.

WINDSHIELD INSERTION SYSTEM FOR A VEHICLE ON MOVING CONVEYOR APPARATUS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : (1) RICHARD STANLEY ANTOSZEWSKI, (2) FERDINAND RONALD FALISE, (3) FRANCIS JOHN SCIULLI, (4) GREGORY MITCHELL TOTO.

Application No. 755/Cal/1986 filed on 16th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

An apparatus for inserting a windshield into the windshield opening of an automobile which is disposed in a somewhat random orientation on a conveyance means for continuous transportation through one or more work stations comprising :

an industrial manipulator means defining a work envelope through which the conveyance means transports the automobile and within which envelope said industrial manipulator is capable of movement through coordinates defined by X, Y and Z axes and rotation about said axes, said industrial manipulator including controller means programmed for movement through a predetermined routine for the retrieval and delivery of the windshield from a storage location to a first predetermined location within the work envelope, said controller means including means for introducing real-time incremental changes thereto, said industrial manipulator further including end effector means for acquiring the windshield from the storage location and inserting the acquired windshield into the windshield opening of the automobile; and a

first means for generating a first signal for input to said controller indicating that the automobile on the conveyance means has entered the work envelope of said industrial manipulator;

characterized by a second means in communication with the robot controller for generating a second signal for input to said controller representative of the travel of said conveyance means through the work, envelope said controller being responsive to said second signal whereby the travel of the automobile relative to the X axes is continuously monitored and movement of the industrial manipulator along the X axes of the envelope is coordinated;

a third means for generating a third signal for input to said controller indicative of at least the gross position of the automobile with respect to the Y axes of the work envelope, said controller being responsive to said third signal whereby the location of the automobile with respect to the Y axes is continuously monitored and positioning of the industrial manipulator along the Y axes is coordinated;

a fourth means for generating a fourth signal for input to said controller indicative of at least the gross position of the automobile with respect to the Z axes of the work envelope, said controller being responsive to said fourth signal wherein the location of the automobile with respect to the Z axes is continuously monitored and positioning of the industrial manipulator along the Z axes is corrdinated thereby;

a fifth means operatively associated with the end effector of said industrial manipulator for continuously updating the locating of the windshield opening for the insertion of the windshield thereinto, said fifth means generating a fifth signal for input to said controller; and

computer means responsive to at least said second, third, fourth and fifth signals and programmed to provide an input to said control means including means for introducing real time incremental changes thereto, wherein said controller means effects the controlled positioning of said industrial manipulator from said first predetermined location within the work envelope to a second location said manipulator positioning the acquired wind-shield in a predetermined relationship with respect to the windshield opening during continuous movement of said automobile on said conveyance means regardless of the orientation of the automobile and inserting said windshield into the windshield opening of the automobile.

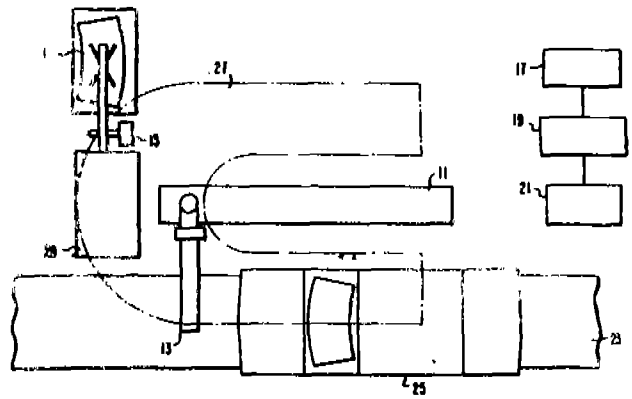


Fig. 1

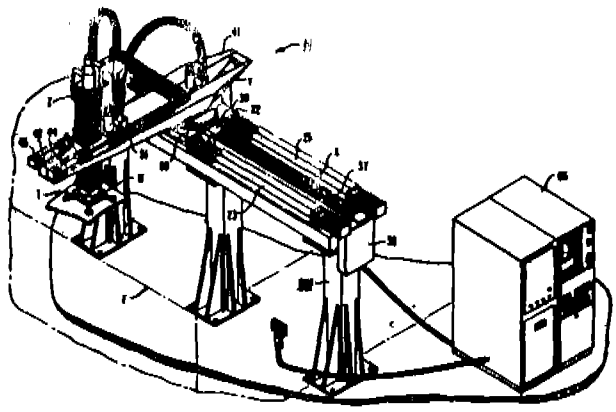


Fig. 2

Compl. Specn. 25 Pages. Drgs. 7 Sheets.

CLASS : 69-P. 168273
Int. Cl. : H 01 h 9/20.

AN ELECTRIC SWITCHGHEAR CELL.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTEISBACHERPLATZ 2, D—8000, MUNCHEN 2, WEST GERMANY.

Inventor : PETER BOHNEN.

Application No. 910/Cal/1986 filed on 15th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

An electric switchgear cell for housing a drawout switchgear, the cell comprising a door for closing off the cell and a positioning drive means permitting movement of the switchgear between an operative position and a disconnected position, a lock bracket being attached to a side of the door facing the switchgear, characterised in that a pivotably mounted latch lever being provided in the cell having a projecting nose engaging the lock bracket in the closed position of the door and further having a guide means cooperating with guide means, as herein described the cam means as herein described being attached to the positioning drive means and being displaceable by operating the positioning drive means so as to pivot the latch lever and move the projecting nose of the latch lever into engagement with the lock bracket when the switchgear is moved into the operative position and out of engagement with the lock bracket when the switchgear is moved into the disconnected position.

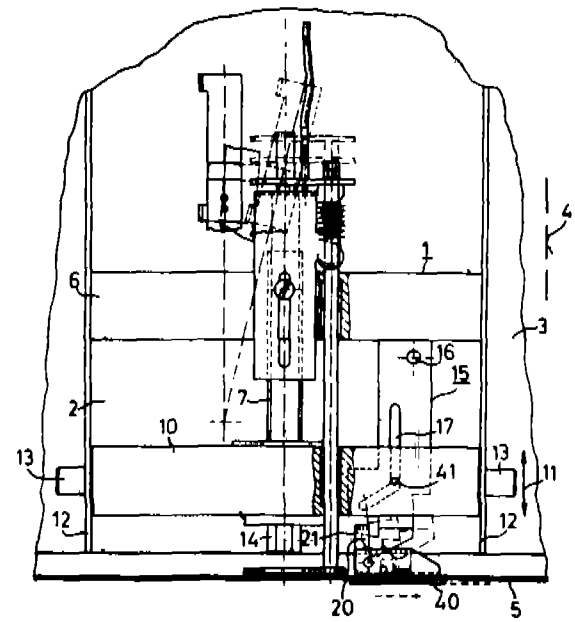


Fig. 1

Compl. Specn. 11 Pages. Drgs. 2 Sheets.

CLASS : 60-B, D; 110. 168274
Int. Cl. : A 43 c 1/00, 7/00, 11/00.

A DEVICE FOR REMOVABLY SECURING A LACE OR THE LIKE.

Applicant & Inventor : JOHN FREDERICK DOUGHERTY, AT 3112 CASTLEVALE ROAD, YAKIMA, WASHINGTON 98902, U.S.A.

Application No. 36/Cal/1987 filed on 12th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

28 Claims

A device for removably securing a lace or the like comprising :

a base;

at least one fastener integral with and extending outwardly from said base, said fastener comprising;

an upper wall;

means integral with said wall and said base for flexibly securing said wall to said base;

a lip at the terminal end of said upper wall extending toward said base;

a ridge extending from said base opposite said lip; and

at least one lace penetrating means secured within said means integral with said wall and extending toward said lip.

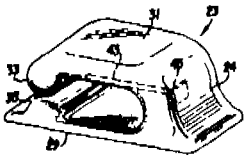


Fig. 1
Compl. Specn. 31 Pages.

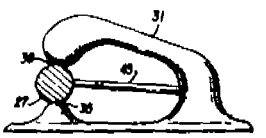


Fig. 2
Drgs. 6 Sheets.

CLASS : 98-E. 168275
Int. Cl. : C 10 g 1/00, 7/00;
B 67 d 5/62.

A HEATER FOR HEATING FLUIDS.

Applicant : GAS RESEARCH INSTITUTE, OF 8600 WEST BRYN MAWR AVENUE, CHICAGO, ILLINOIS 60631, U.S.A.

Inventor : ROBERT M. KENDALL.

Application No. 86/Cal/1987 filed on 28th January, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A heater for generating a high heat input capacity in a compact configuration comprising the combination of an outer wall structure defining a chamber which includes tube coils forming a radiant section, a plurality of elongate cylindrical fiber matrix burners mounted in spaced apart relationship in at least two tiers within the chamber, the radiant section of tube coils including tubes spaced from opposite sides of each tier of burners, each burner being comprised of a hollow shell formed of a fiber matrix material having interstitial spaces between the fibres, and means for directing streams of pre-mixed fuel and air into the burners with the mixture flowing through the matrix and flamelessly combusting on the ouer surface of the burners with heat transferring primarily by radiation of the tube coils.

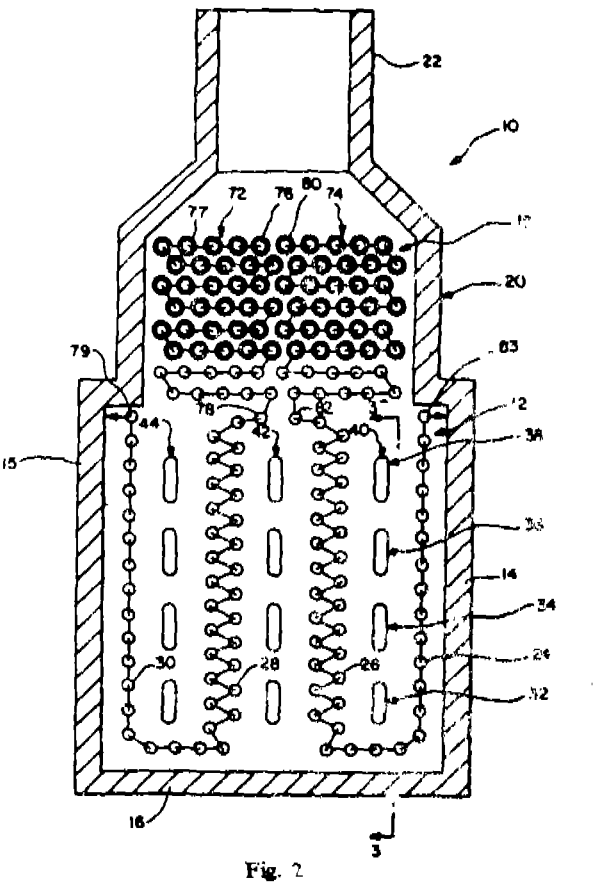


Fig. 2
Compl. Specn. 12 Pages. Drgs. 3 Sheets.

CLASS : 164-C. 168276
Int. Cl. : C 02 f 7/00, 11/00.

A PROCESS FOR REJUVENATING THE DIFFUSION ELEMENTS IN AN ACTIVATED SLUDGE TREATMENT PROCESS.

Applicant : NORTON COMPANY, OF 1 NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor : PAUL WILLIAM CUMMINGS.

Application No. 124/Cal/1987 filed on 16th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

7 Claims

A process for rejuvenating the diffusion elements in an activated sludge treatment process, wherein sewage in an aqueous form is

rendered innocous by passing a treating gas through a distribution network which has a plurality of multi-pore diffusion elements submerged in the mass, each of which individual elements is supported over its respective plenum chamber, which plurality of elements and their plenum chambers are carried by that portion of the gas distribution network, which is submerged in said dispersion, and during the performance of which treating process acid-reactive cloggants may have a tendency to form deposits in the pores of and on the surfaces of said elements, the cloggants which form in the pores having a tendency to cause a progressive restriction of the flow of treating gas through said diffusion elements and the cloggants which form on the surface causing a progress enlargement of bubble size and deterioration of aeration uniformity, which comprises : rejuvenating said diffusion elements in-situ by removing at least a portion of said cloggants deposited in and on said elements by reacting them with an acid solution in order to reduce such constriction to the flow of treating gas through said pores and to cause surface cloggants to be released, said cloggant removal reaction being performed with an acid solution formed by dissolving a soluble acid liquid or gas in water, filling the pores of said elements and said plenum chambers and said gas distribution network with said solution; stopping the flow of treating gas to said elements from time to time to allow the reaction to proceed, and then performing said acid-cloggant reaction, when required, and then reestablishing the flow of treating gas through said rejuvenated diffusion elements to flush the reaction products from said pores and said surfaces into said aqueous dispersion and continue said activated sludge treatment process, and wherein said acid solution is formed and said acid solution is applied to said diffusion elements by feeding said soluble acid gas, with or without treating gas, into and through the gas distribution network which delivers said treating gas to said elements to be subjected to said cloggant removal reaction, said network having gas flow regulating means therein for controlling the flow of said gas into the plenums over which said elements are supported, at least partially filling the pores of said elements and their respective plenums with said acid gas, stopping the gas flow, permitting a back flow of water from said aqueous dispersion to fill said pores and the respective plenums and gas distribution network over which said elements are supported, and dissolving said acid gas or liquid in said back flow water to form said acid solution.

Compl. Specn. 21 Pages. Drg. 1 Sheet.

CLASS : 89. 168277
Int. Cl : G 01 n 29/00.

IMPROVEMENTS IN OR RELATING TO APPARATUS FOR ULTRASONICLY INSPECTING A LARGE SHAFT FROM A LIQUID-FILLED BORE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, U.S.A.

Inventors : (1) HERBERT EDWARD FERREE, (2) LAWRENCE DARRELL NOTTINGHAM.

Application No. 161/Cal/1987 filed on 3rd March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

20 Claims

Apparatus for ultrasonically inspecting a large shaft from a bore filled with liquid, comprising :

a head assembly having at least one transducer disposed thereon for indicating sonic reflectors within the shaft and means for supporting said head concentrically in said bore;

a plurality of tubular extensions which fasten to each other and to said head assembly;

a cable electrically connected to said transducer and said head assembly and threaded through said tubular extensions;

a trough which is partially filled with liquid during the ultrasonic inspection and having mounted on each end thereof means for raising and lowering the trough characterized by

a round tube generally the same diameter as said bore mounted in said trough and axially aligned with said bore during the ultrasonic inspection;

drive means for moving said tubular extensions and head assembly axially and rotationally;

means for producing a signal indicative of the axial and rotational position of said head assembly and transducer;

means for providing, receiving and processing ultrasonic and positional signals to operate the apparatus and to produce intelligible information about the location and size of sonic reflectors in said shaft; and

an enclosure having floor, well and roof portions for storing, shipping and operating said elements of said apparatus described herein and controlling the environment within said enclosure so that the environment is suitable for said apparatus and those who operate it.

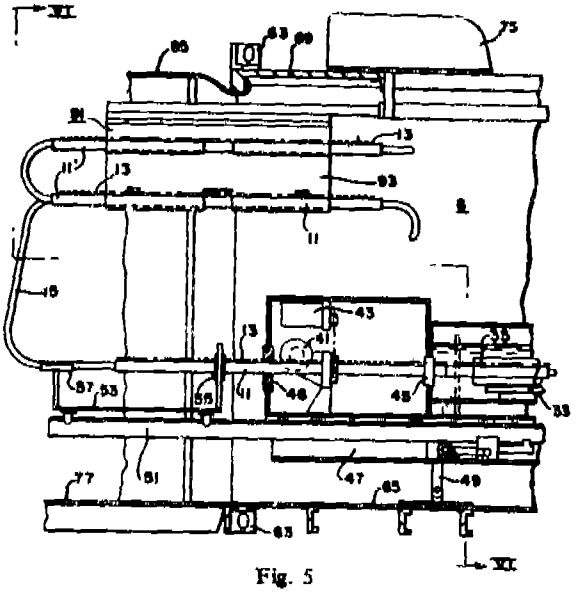


Fig. 5

Compl. Specn. 14 Pages. Drgs. 5 Sheets.

CLASS : 105-C 168278
Int. Cl. : G 11 b 7/00.

AN OPTICAL DEVICE FOR PHOTOTHERMAL INFORMATION RECORDING, READING AND ERASING.

Applicant : INSTITUT PROBLEM MODELIROVANIA V ENERGETIKE AKADEMII NAUK UKRA INSKOI SSR, OF KIEV, PROSPEKT POBEDY, 56, USSR.

Inventors : (1) VYACHESLAV VASILIEVICH PETROV, (2) DMITRY ALEXANDROVICH GRINKO, (3) ALEXANDR ALEXANDROVICH ANTONOV, (4) ANDERI ANDREEVICH KRJUCHIN.

Application No. 337/Cal/1987 filed on 28th April, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

1 Claim

An optical device for photothermal information recording, reading and erasing comprising of a cylinder being coated on the internal surface thereof with a film of a recording medium being made of a material capable of spreading when soft over a substrate, the external surface of said cylinder being coated with a transparent current conducting film, a charging unit comprising of a central electrode secured along the axis of the said cylinder between insulating covers provided at the end faces of the cylinder the said central electrode having at least one lead, the internal space of the cylinder being maintained air-tight, means for focusing on an objective lens an electromagnetic beam to provide a localised beam to a spot size of the order of one information unit pit on the recording medium said electromagnetic radiation being of such type that while recording and erasing of the information the energy of the beam thus localised is more than that required for softening the material of the recording medium but is less than that required for destroying the material of the recording medium and while reading of information the energy of the beam thus localised is less than the softening energy of the material of the recording medium; means being provided for applying a difference of potential between the said central electrode and the said current conducting film coating on the external surface of the said cylinder for the charging and discharging of the recording medium prior to information, recording and erasing respectively; means for effecting relative movement between the said objective lens and the said cylinder thus providing for a discrete or continuous recording of a two level deep surface relief pattern on the recording medium.

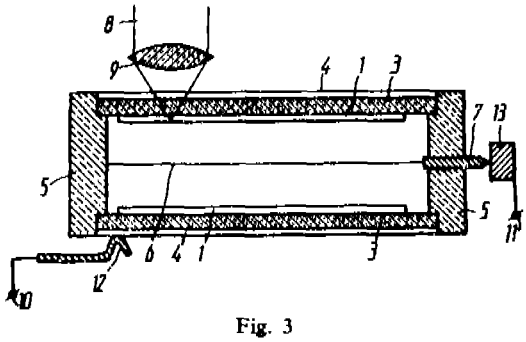


Fig. 3

Compl. Specn. 20 Pages. Drgs. 2 Sheets.

CLASS : 82. 168279
Int. Cl. : A 01 k 63/04.

FISH TANK FOR INTENSIVE FISH FATTENING AND ARRANGEMENT FOR INTENSIVE FISH FATTENING.

Applicant : METZ—MANNHEIM GMBH, FRIEDRICH-ENGELHORN-STRABE 7—9, 6800 MANNHEIM, F.R. GERMANY.

Inventor : CHRISTOPH HARTUNG.

Application No. 440/Cal/1987 filed on 12th June, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

Fish tank for intensive fish fattening which has a device for feeding air and/or oxygen to the fish water and which is preferably designed as a long tank, wherein the long tank (10) has, along its longitudinal centre axis, a depression in the form of a pit (11), in which is arranged a filler (31) which reaches at least upto the water surface and through which the fish water flows, and wherein the filler is composed of a pack of connectable honey-comb-shaped plastic articles (36) which form vertical flow channels (37) which extend from the lower region of the pit virtually upto the water surface and into which can be introduced in their lower end portion an air/water mixture which can be conveyed out into the fish water in their upper end portion.

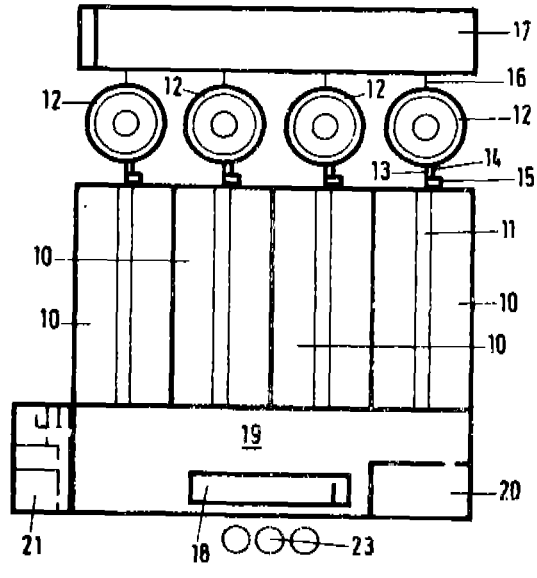


Fig. 1

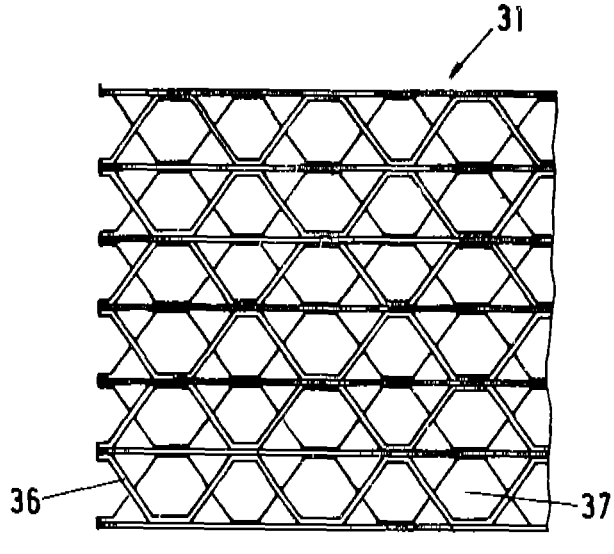


Fig. 4

Compl. Specn. 13 Pages. Drgs. 4 Sheets.

CLASS : 92-C. 168280
Int. Cl. : B 02 b 3/00.

IMPACT RICE HULLER.

Applicant : YAMAMOTO & CO. LTD. OF 813-17, OAZA TENDOU KOU, TENDOU-SHI, YAMAGATA-KEN, JAPAN.

Inventor : TOYOJIRO MASUMOTO.

Application No. 558/Cal/1987 filed on 21st July, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

5 Claims

An improved vertical type impact rice huller for processing grains so as to remove hushs therefrom, characterised by that, in addition to its known constructive feature, the device comprising :

an additional co-axial vertical rotary shaft (35)

an umbrella type feeder (67) rigidly mount on the upper portion of the said shaft and adapted to rotate with the shaft, said feeder having an upper cover (51) and a bottom plate arrangement (40, 41, 42, 43), approximately parallel to the upper cover successively each plate having first, second, third and fourth acceleration ribs (46, 47, 48 and 50), the upper cover having array channels (133) on an outer portion of its under surface, and said feeder further having an annular ejection port (58) formed between outer ends (56, 57) of the cover and the plate arrangement; thereby causing gradually accelerated movement of the paddy rice along the said array channels (133) for grain by grain discharge from the said circumferential ejection port (58) in the diagonally downward direction fully avoiding collision of grain with one another in the air resulting complete hulling of rice;

the device further comprising an annular elastic member (59) surrounding the ejection port for grain impact in the peripherally spaced relationship therewith; and

an air separating chamber (135) provided below the feeder for separating the husk from the processed grain and separating means for separating broken and/or waste grains disposed below the air separating chamber and around the rotary shaft.

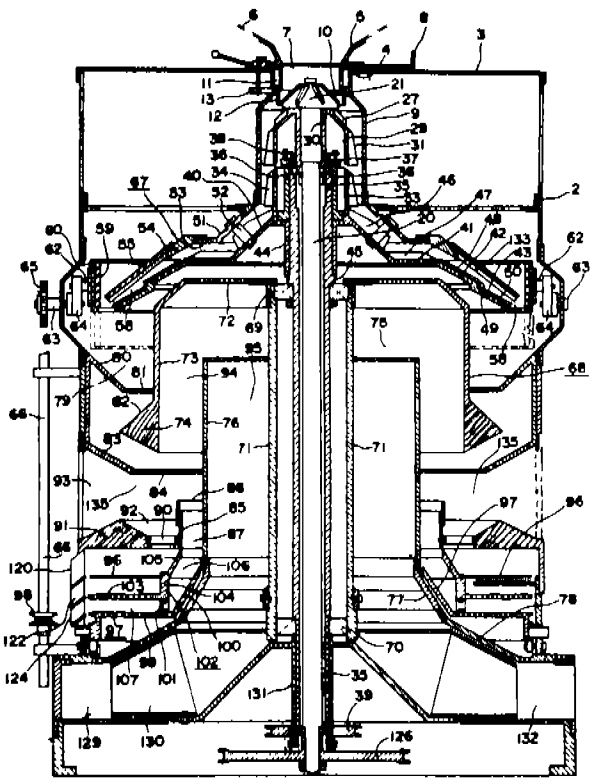


Fig. 3

Compl. Specn. 22 Pages. Drgs. 7 Sheets.

Ind. Cl. : 129 D, E, M, O [XXXV]. 168281
Int. Cl. : B 30 B—15/28.

A DEVICE FOR ELIMINATION OF CLEARANCE IN THE OVER LOAD PROTECTION SYSTEM AND ALSO RELEASE OF JAM IN A POWER PRESS.

Applicant : RIGIMAX MACHINE TOOLS CO. PVT. LTD., SHRI SOMESHWAR NIWAS, 109, SHIVAJI PARK ROAD 3, BOMBAY-400 028, MAHARASHTRA, INDIA.

Inventor : GOPALKRISHNA RAMCHANDRA PONKSHE.

Application No. 264/Bom/1988 filed on 13th September, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bomaby-13.

1 Claim

A device for elimination of clearance in the overload protection system and also release of jam in a power press comprising a set of two tapered plates viz. upper tapered plate and lower tapered plate capable of sliding one over the other, there are provided in the upper tapered plate bolts/studs or the like means for sliding the same over the lower tapered plate and locking the same in adjusted position the said lower tapered plate is located in the slide, the clearance in the said overload protection system is eliminated by tightening the studs/screws of the upper tapered plate by sliding the same over the lower tapered plate in one direction while at the time of insertion of new shear plate, the said upper plate is pushed in the opposite direction, the said upper and lower tapered plates are placed under the said overload protection device which may be in the form of a shear plate, in case of jamming of the press when the shear plate has not yet broken, the jam can be released by loosening the said studs/screws provided in the upper tapered plate and by slightly hammering the said upper tapered plate such that the jam is released.

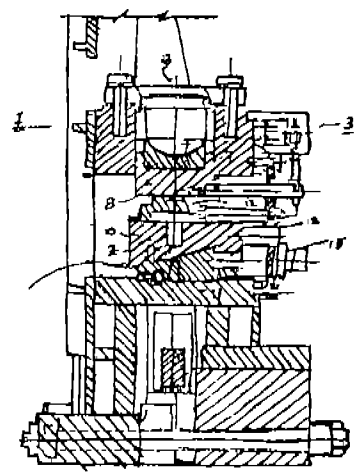


Fig. 3

Compl. Specn. 6 Pages. Drgs. 3 Sheets.

Ind. Cl. : 27 G [XXVI (1)]. 168282
Int. Cl. : E 04 B-10/00.

ASSEMBLY KIT FOR FRAMEWORK STRUCTURES.

Applicant : OCTANORM-VERTRIEBS-GmbH FUR BAUELEMENTE, A JOINT STOCK COMPANY ORGANISED UNDER THE LAWS OF FEDERAL REPUBLIC OF GERMANY : RAIFFEISENSTRASSE 23, 7024 FIELDERSTADT 4, FEDERAL REPUBLIC OF GERMANY.

Inventor : JOHANNES ERNST OFFO STRAEGER.

Application No. 249/Bom/1988, filed on 31st August, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

9 Claims

Assembly kit for framework structures comprising carrier bars (1, 2) and at least one coupling knot (3) provided with a plurality of unilaterally open slots (4) which extend in parallel to each other and which are engaged by mounting heads of matching shape provided at the ends of the carrier bars (1, 2) and having a width greater than the slots (4), the said mounting heads being retained in the said slots (4) by a disk (5) covering the free side of the slots (4), characterized in that the said slots (4) end in substantially cylindrical chambers (6) extending parallel therewith and that the said mounting heads (7) are designed as enlarged portions (8) on the said flattened ends (1a, 2a) of the said carrier bars (1, 2) matching the cross-sectional shape and corresponding to the length of the said chambers (6).

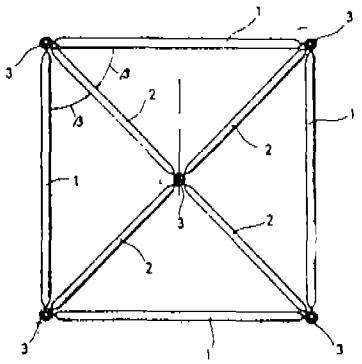


Fig. 2

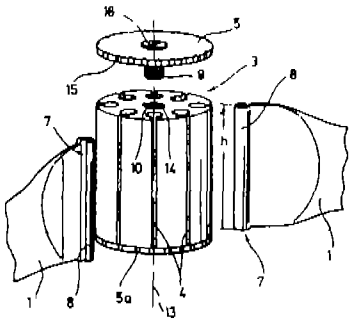


Fig. 7

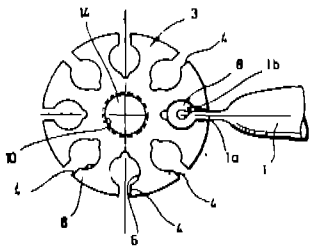


Fig. 8

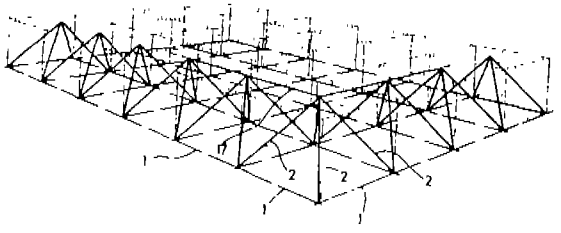


Fig. 9

Compl. Specn. 13 Pages. Drgs. 4 Sheets.

Ind. Cl. : 23 B+H [XL (3)], 13D [XL (1)]. 168283
Int. Cl. : B 65 D-85/18.

A RE-USABLE DISPLAY-CUM-CARRY PACK CARTON FOR GARMENTS SUCH AS SHIRTS AND THE LIKE.

Applicant & Inventor : RAM MENON, 31, NIHARIKA, AHMEDABAD-380 015, GUJARAT, INDIA.

Application No. 256/Bom/1988, filed on 8th September, 1988.

Comp. after Prov. left on 19th September, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

3 Claims

A re-usable display-cum-carry pack carton 1 for garments such as shirt and the like comprising a back cover 5 and a front cover 6 moulded from clear transparent plastic sheet foldably connected at their one end by a hinge 4, said back cover 5 being provided on its inner face with a depression 5A having a flange 3 at its periphery, said flange being provided with a plurality of spaced apart buttons 3A, said front cover being provided on its inner face with a cavity 2K adjacent to the hinge 4, said cavity forming a receptacle for tie pin, shirt studs, cuff links and the like accessories, a projection 2E adjacent to said cavity 2K and a depression 2H resembling in shape of a collar and neck part of a shirt and the like provided adjacent to said projection 2E, a flange 2 having a plurality of spaced apart button hole cavities 2A being provided in the periphery of said outer cover 6, said cavities 2A matching with corresponding buttons 3A on the flange of back cover 5, said depression 2H forming a receptacle-cum-shield for shirt collar and neck part of a shirt and the like packed therewithin, and finger grips 3D being provided at free ends of said back and front covers 5 and 6 getting aligned with each other on said two covers being folded on said hinge 4 and snap fitted to each other to form a display-cum-carry pack carton 1.

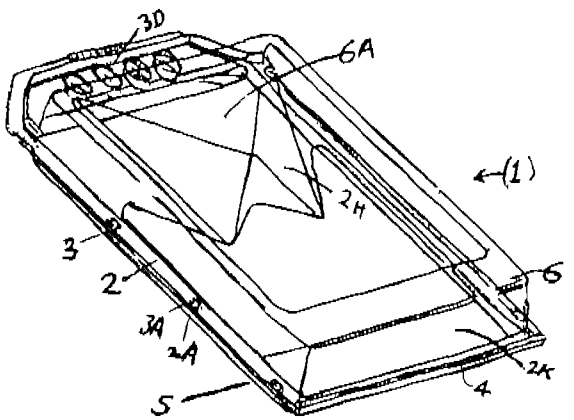


Fig. 1

Prov. Specn. 4 Pages. Drg. Nil.
Compl. Specn. 6 Pages. Drg. 1 Sheet.

Ind. Cl. : 189 [LXVI (a)]. 168284
Int. Cl. : A 61 K-7/16, 7/24.

A METHOD FOR PREPARING AN ORAL COMPOSITION FOR INHIBITING THE FORMATION OF DENTAL CALCULUS.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : GEOFFREY STEWART INGRAM.

Applicant No. 293/Bom/1988 filed on 18th October, 1988.

U.K. Convention priority dt. 20th OCT. 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

6 Claims

A method for preparing an oral composition for inhibiting the formation of dental calculus comprising blending 0.5 to 6% by weight sodium trimetaphosphate and 0.05 to 2% by weight of a zinc salt such as herein described with other conventional ingredients such as herein described.

Compl. Specn. 7 Pages. Drg. Nil.

Ind. Cl. : 25A [XXV (1)]. 168285
Int. Cl. : B 32 B-15/01.

METALLIC TILES CUM MODULAR PANELS FOR WALL COVERING, FLOOR TOPPING & PANELLING.

Applicant & Inventor : DATTATREYA DHONDURAO RANAY, 6, KRISHAN KUNJ, LOKMANYA TILAK ROAD, DAHISAR (WEST), BOMBAY-400 068, MAHARASHTRA, INDIA.

Application No. 304/Bom/1988, filed on 2nd November, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

4 Claims

A metallic tile and modular panel as a composite product in the form tablet or pad produced out of the blanks from the sheets of ferrous and non-ferrous metals in different geometrical shapes, profiles and sizes with flat or curved surfaces and their sides or edges bent backwards to half radius in quarter bent or to full radius achieving complete bent and fold, thus forming hollow portion and depth on the backface which is filled and compacted with the compound of synthetic resin and hardener mixed with or without filler material like fine sand silica or mineral flour or ordinary portland or white cement.

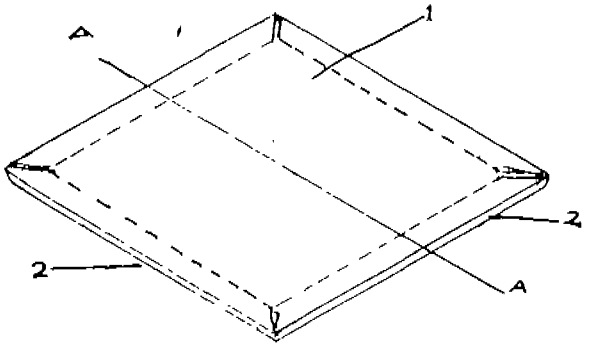


Fig. 5

Compl. Specn. 9 Pages. Drgs. 2 Sheets.

Ind. Cl. : 64 B1 [VIII(h)] 168286
Int. Cl. : H01 R—9/03

MODIFIED SHIELDED GUARD FOR ELECTRONIC CIRCUIT INTERCONNECTIONS (WITH EMI SHIELDING).

Applicants : NANDAKUMAR RAMCHANDRA JOSHI, 66, SAHAWAS SOCIETY, KARVENAGAR, PUNE-411 052, MAHARASHTRA, INDIA.

Application No. 315/Bom/1988 filed on 16th November, 1988.

(Divisional to 151/Bom/1986)

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Bomaby-13.

5 Claims

A modified shielded guard for electronic circuit interconnections (with EMI shielding) comprising a connector, a detachable plastic insulating guard with holes matching the contact pins of the said connector to guide and shield the corresponding interconnecting wires from EMI effects by selective metallic plating of the said guard which has a cavity of size and shape appropriate to house the said connector without any shortcircuit between the contact pins of the said connector and the said guard, which are assembled together with the help of nuts, bolts and spacers.

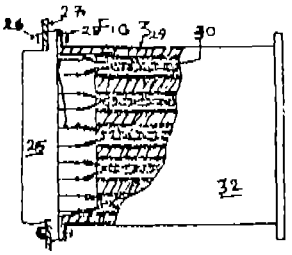


Fig. 2A

Compl. Specn. 6 Pages. Drgs. 2 Sheets.

Ind. Cl. : 50 E2[VII(1)]; 50 D, 196 B1 [XXVI(4)]. 168287
Int. Cl. : F 24 F—13/00 & 6/00.

A MINI REFRIGERATOR-CUM-DEHUMIDIFIER.

Applicant & Inventor : SURENDRA HIMMATLAL SHAH, 158 THACKER INDUSTRIAL ESTATE, N.M. JOSHI MARG, BOMBAY-400 011, MAHARASHTRA, INDIA.

Application No. 352/Bom/1988, filed on 30th December, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Bomaby-13.

5 Claims

A mini refrigerator-cum-dehumidifier comprising a casing 27 having a condenser chamber 21, an evaporator chamber 22 and a CPU chamber 25, the said evaporator chamber 22 and the said CPU

chamber 25 being side by side and thermally insulated and separated by a partition having an inlet 26 and an outlet 20, the said condenser chamber 21 having an opening on its one side for fixing thereto a condenser 1 and an exhaust outlet 28 for fixing thereto an exhaust fan 3 for circulation of fresh air marked by arrow 16 within the said condenser chamber 21 which also forms a seat for a compressor 2 having a suction inlet 2B and an outlet 2A connected to each other by a closed loop piping—7 passing through a re-evaporator coil 12, the said condenser 1, a filter screen 9, a capillary 10 and an evaporator piping coil 13, the said evaporator chamber 22 is provided on its inside an evaporator box 15 lined with the said evaporator piping coil 13, a fin type air-to-air heat exchanger 6 having labyrinth passages being nested within the said evaporator box 15, a condensate tray 14 being provided below the said evaporator box 15, a blower 5 being fitted to the said inlet 26 in the said partition for suction of warm air from the said CPU chamber 25 and blowing into the said air-to-air heat exchanger 6 as marked by arrow 18 for being mixed with air at freezing temperature of 0°C.—8°C. with over 95% RH as marked by arrow 19A within the said evaporator box 15 and raising its temperature to 18°C.—21°C. and reducing its RH to 40%—70% and blowing said mixed cool air into the said CPU chamber 25 through the said outlet 20 as marked by arrow 19, a by-pass valve 4 being provided between the said capillary 10 and the said evaporator piping coil 13 for short-circulating the flow of refrigerant therethrough as shown by arrow marked 8A to equalise suction and discharge pressures and prevent freezing of the said CPU chamber 25 under 'NO LOAD' condition while the said compressor is operated continuously without being 'CUT OFF'.

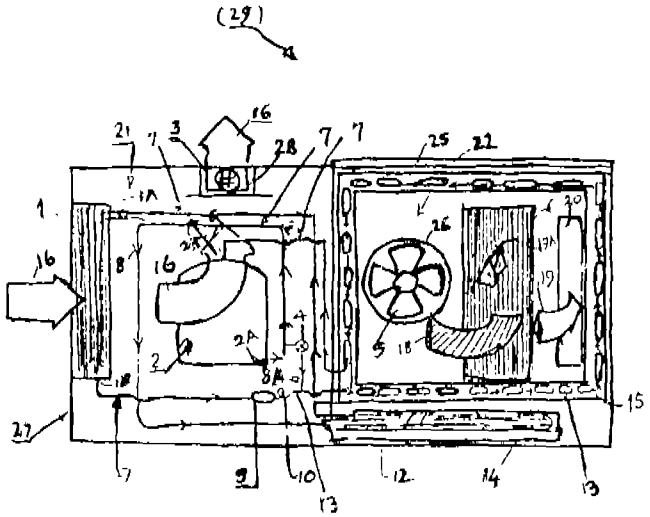


Fig. 1

Compl. Specn. 13 Pages. Drgs. 4 Sheets.

Ind. Cl. : 98 E [VII(2)], 98 F [VII(2)], 28 C [XXX(1)]. 168288
Int. Cl. : A 47 J—36/24, 39/02.

A DEVICE FOR HEATING CASSEROLES.

Applicant : EAGLE FLASK INDUSTRIES PRIVATE LIMITED (AN INDIAN COMPANY) AT TALEGAON-410 507, DISTRICT PUNE, MAHARASHTRA STATE, INDIA.

Inventor : ALIMOHAMMED CHHAGANBHAI PADAMSEE.

Application No. 100/Bom/1989 filed on 19th April, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bomaby-13.

3 Claims

A device for heating casseroles, which includes :

a heating chamber secured to a fuel chamber having a replaceable fuel tank, in horizontally extending position;

said heating chamber consisting a heating plate, supported on a plurality of springs, the free ends of said springs being embedded or otherwise secured to the base of heating chamber, such that said heating plate slightly project out of the device,

at lest one burner assembly located underneath said heating plate and secured to the base of said heating chamber;

means, such as, tube for communicating fuel from said fuel chamber to said burner assembly;

means, such as, valve for regulating fuel supply to said burner assembly to control the flame; and

an ignitor mounted on the wall of said device to light-up said burner assembly to generate flame, which is continued till the casseroles get heated to desired extent and to be put-off by terminating supply of fuel with the help of said valve.

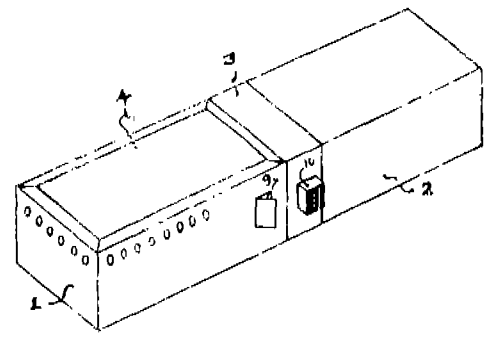


Fig. 1

Fig. 2

Compl. Specn. 8 Pages. Drg. 1 Sheet.

Ind. Cl. : 98 E [VII(2)], 98 F [VII(2)] 28 C [XXX(1)]. 168289
Int. Cl. : A 47 J—36/24, 39/02.

AN IMPROVED CASSEROLE.

Applicant : EAGLE FLASK INDUSTRIES PRIVATE LIMITED, (AN INDIAN COMPANY) AT TALEGAON-410 507, DISTRICT PUNE, MAHARASHTRA, INDIA.

Inventor : ALIMOHAMMED CHHAGANBHAI PADAMSEE.

Application No. 101/Bom/1989, filed on 19th April, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bomaby-13.

4 Claims

An improved casserole comprising :

an inner metallic wall and an outer non-heat conductive wall, characterised in that a groove is provided between the said metallic wall and the non-heat conductive wall into which a heating rod having built-in fuel chamber is inserted for heating the said inner metallic wall.

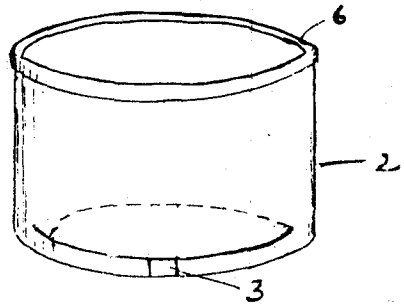


Fig. 1

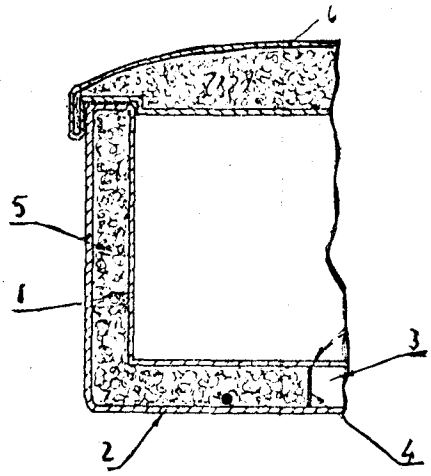


Fig. 2

Compl. Specn. 7 Pages. Drg. 1 Sheet.

Ind. Cl. : 144E4 & E2 GR. [XII(3)] 168290
Int. Cl. : C09D—3/72.

A PROCESS FOR THE MANUFACTURE OF A HIGH PERFORMANCE AIR-DRYING POLYURETHANE PAINT FOR COATING METAL OR METAL ALLOY.

Applicant : CROMPTON GREAVES LIMITED, 1, DR. V. B. GANDHI MARG, BOMBAY-400 023, MAHARASHTRA, INDIA.

Inventors : (1) Dr. VISHWANATH NARASINHA KAMATH & (2) GOPALAKRISHNA SREENIVASA PRABHU.

Application No. 162/Bom/1989, filed on 15th June, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents, Rules, 1972), Patent Office Branch, Bombay-13.

2 Claims

A process for the preparation of a high performance air-drying polyurethane paint for coating metal or metal alloy, said process comprises:

(i) interesterifying dehydrated castor oil with 23-29% by weight of pentaerythritol in the presence of 0.01-0.1% by weight of an interesterification catalyst such as herein described at 240 to 260°C;

(ii) cooling the resulting monoglyceride to 80—100°C;

(iii) polymerising the monoglyceride with 15—21% by weight of glycerol and 51—63% by weight of a reactant such as herein described at 200—250°C in an inert atmosphere such as nitrogen atmosphere until the acid value of the resulting alkyd polyol is less than 10mg of KOH/g of the alkyd polyol and the hydroxyl value of the resulting alkyd polyol is 180—200 mg of KOH/g of the alkyd polyol;

(iv) cooling the alkyd polyol to 80—100°C;

(v) diluting the alkyd polyol with a solvent such as herein described;

(vi) cooling the alkyd polyol solution to room temperature;

(vii) grinding the alkyd polyol solution with a pigment such as herein described;

(viii) mixing the alkyd polyol paste with additives such as herein described to form an alkyd polyol base paint;

(ix) and mixing the alkyd polyol base paint with 13—15% by weight of an isocyanurate of isophorone diisocyanate as the curing agent to obtain the high performance air-drying polyurethane paint.

Comp. Specn. 14 Pages. Drg. Nil.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration in the entry.

Class 1. No. 162171. Prestige Housewares India Limited, 78, Old Madras Road, Dooravaninagar, Bangalore-560016, Karnataka, India, Indian Company. "Lid for pressure cooker" June 5, 1990.

Class 1. No. 162429. Dr. Beli Ram & Sons (Mfg), 3/17, Asaf Ali Road, New Delhi-110002, India, Indian Proprietorship Firm. "Weighing Scale". August 21, 1990.

Class 1. No. 162531. Baume & Mercier S.A., A Swiss Company of 9, rue Le Royer CH-1227 Les Acacias, Geneve, Switzerland. "Wristwatch". September 24, 1990.

Class 1. No. 162542. Beasalon International Limited of 11th Floor, C.M.A. Building, 64—66 Connaught Road C., Hong Kong. "Roofing Tile". Priority date April 3, 1990 (New Zealand).

Class 3. No. 162314. Shivram Gupta, House No. 6, Mughal Road Bazar, Bijoly Ghar Ke Samne, Vill. & P.O. Vindeky, Dist: Fatehpur, U.P. , India, Indian, Pin : 212635. "Tooth Cleaner". July 12, 1990.

Class 3. No. 162362. Newkem Engineers Pvt. Ltd., Harganga Mahal, Khodadad Circle, Dadar, Bombay-14, Maharashtra, India, a Private Ltd. Company. "Louvre-Grill". July 27, 1990.

Class 3. Nos. 162363 and 162364. Bonjour International of 5762/6, New Chandrawal, Jawahar Nagar, Delhi-110007, India, a proprietory concern. "Tray". July 27, 1990.

Class 3. No. 162401. Mahendra Devji Shah, Indian Citizen, B—8, Urmi Jivan Co-op Housing Society, 4th floor, Tithal Road, Valsad, Dist : Surat, Pin : 396001, Gujarat, India. "A Candle Lamp". August 7, 1990.

Class 3. No. 162402. Mahendra Devji Shah, Indian Citizen, B—8, Urmi Jivan Co-op Housing Society, 4th floor, Tithal Road, Valsad, Dist : Surat, Pin : 396001, Gujarat, India. "Candle Light". August 7, 1990.

Class 3. No. 162428. Docbel Industries, 3/17, Asaf Ali Road, New Delhi-110002, India, a proprietory firm. "Weighing Scale". August 21, 1990.

Class 3. No. 162684. Atul Mehta, Indian Sole Proprietory Firm of Tulip Electronics & Electricals of 1/4 Shree Ram Bhuvan, Jivdaya Lane, Agra Road, Ghatkopar (W), Bombay-400086, Maharashtra, India. "Electric Power Controller". November 21, 1990.

Class 11. No. 162422. Premco Industries, Plot No. A—26, M.I.D.C. Narol, Road No. 3, Andheri (E), Bombay-93, Maharashtra, India. Indian Partnership Firm. "Elastic Tape for garments". August 10, 1990.

Copyright extended for the 2nd period of five years.

Nos. 156296 to 156304 ..... Class 1

Nos. 156074, 156048, 156049, 156201, 156967, 156322, 159036 & 159037 ..... Class 3

Nos. 159919 and 158282 ..... Class 5

Copyright extended for the 3rd period of five years.

Nos. 151916, 150267, 150947, 150653, 150951, 151445, & 150829 ..... Class 1

Nos. 156049, 156048, 150268, 159036, 159037, 150948, 150830, 150952, 150654. ..... Class 3

No. 145761 ..... Class 4

Nos. 159919 and 158282 ..... Class 5

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